

Supplementary Material

Supplementary Data 1. List of theNode for Each Node Type in the Metabolic Network

(Supplementary Data 1) contd....

Node_Name	Node_Type
R02383a	Intermediate_node
R02383b	Intermediate_node
R05980a	Cut_point_node
R02529a	Up_Stream_node
R00765a	Intermediate_node
R01567a	Intermediate_node
R00511a	Intermediate_node
R00431a	Intermediate_node
R02035a	Intermediate_node
R00351a	Hub
R00351b	Hub
R00191a	Intermediate_node
R00257a	Intermediate_node
R00257b	Cut_point_node
R00177a	Intermediate_node
R04242a	Cut_point_node
R00940a	Intermediate_node
R01662a	Intermediate_node
R03346a	Intermediate_node
R00926a	Cut_point_node
R05981a	Cut_point_node
R07411a	Cut_point_node
R01648a	Intermediate_node
R00512a	Intermediate_node
R00432a	Intermediate_node
R01234a	Intermediate_node
R00352a	Hub
R00352b	Hub
R01154a	Cut_point_node
R04751a	Intermediate_node
R01074a	Intermediate_node
R00192a	Intermediate_node
R04591a	Intermediate_node
R00258a	Hub
R04737a	Intermediate_node
R04737b	Intermediate_node
R00258b	Hub
R00178a	Intermediate_node
R02973a	Up_Stream_node

Node_Name	Node_Type
R00178b	Intermediate_node
R04323a	Intermediate_node
R03361a	Intermediate_node
R02705a	Intermediate_node
R07760a	Intermediate_node
R00941a	Intermediate_node
R03427a	Intermediate_node
R03347a	Intermediate_node
R01663a	Intermediate_node
R00927a	Hub
R05982a	Cut_point_node
R00847a	Intermediate_node
R07412a	Intermediate_node
R02051a	Intermediate_node
R00513a	Intermediate_node
R01569a	Cut_point_node
R01315a	Intermediate_node
R04672a	Intermediate_node
R03936a	Cut_point_node
R00259a	Intermediate_node
R04738a	Intermediate_node
R03856a	Intermediate_node
R04404a	Intermediate_node
R02720a	Cut_point_node
R03776a	Intermediate_node
R03522a	Intermediate_node
R03362a	Intermediate_node
R05046a	Cut_point_node
R02480a	Intermediate_node
R02706a	Intermediate_node
R07761a	Cut_point_node
R00942a	Intermediate_node
R03428a	Intermediate_node
R03348a	Up_Stream_node
R01664a	Intermediate_node
R00782a	Intermediate_node
R02466a	Intermediate_node
R05983a	Cut_point_node
R00848a	Intermediate_node
R00768a	Intermediate_node
R00514a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R00768b	Intermediate_node
R01090a	Intermediate_node
R01090b	Cut_point_node
R00434a	Intermediate_node
R05969a	Cut_point_node
R04753a	Intermediate_node
R00274a	Intermediate_node
R03871a	Intermediate_node
R05555a	Cut_point_node
R04673a	Intermediate_node
R04739a	Intermediate_node
R03857a	Intermediate_node
R04739b	Intermediate_node
R00006a	Intermediate_node
R03777a	Intermediate_node
R04325a	Intermediate_node
R04325b	Hub
R07762a	Intermediate_node
R03283a	Cut_point_node
R00943a	Cut_point_node
R04085a	Intermediate_node
R07762b	Intermediate_node
R00943b	Intermediate_node
R03429a	Intermediate_node
R01665a	Intermediate_node
R03269a	Cut_point_node
R05984a	Cut_point_node
R03189a	Intermediate_node
R01251a	Intermediate_node
R02053a	Cut_point_node
R01171a	Intermediate_node
R01317a	Up_Stream_node
R00435a	Intermediate_node
R00355a	Hub
R06518a	Up_Stream_node
R01157a	Intermediate_node
R00355b	Hub
R04754a	Intermediate_node
R01077a	Intermediate_node
R05556a	Intermediate_node
R04674a	Cut_point_node
R03858a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R02976a	Cut_point_node
R03858b	Hub
R01920a	Intermediate_node
R03778a	Intermediate_node
R01920b	Intermediate_node
R03778b	Hub
R04326a	Intermediate_node
R05048a	Cut_point_node
R03284a	Cut_point_node
R07763a	Intermediate_node
R07763b	Intermediate_node
R00610a	Intermediate_node
R01666a	Intermediate_node
R05985a	Cut_point_node
R01252a	Cut_point_node
R00516a	Intermediate_node
R01092a	Intermediate_node
R00102a	Intermediate_node
R03953a	Intermediate_node
R00022a	Up_Stream_node
R07764a	Intermediate_node
R01827a	Hub
R00945a	Hub
R00945b	Hub
R02549a	Intermediate_node
R00945c	Hub
R00611a	Intermediate_node
R00945d	Intermediate_node
R05986a	Intermediate_node
R02135a	Up_Stream_node
R04930a	Cut_point_node
R01253a	Intermediate_node
R02055a	Cut_point_node
R00371a	Intermediate_node
R00517a	Intermediate_node
R00291a	Intermediate_node
R01093a	Intermediate_node
R00437a	Intermediate_node
R01159a	Intermediate_node
R00103a	Intermediate_node
R05064a	Intermediate_node
R02978a	Cut_point_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R01682a	Cut_point_node
R02484a	Intermediate_node
R02484b	Intermediate_node
R07765a	Intermediate_node
R00946a	Intermediate_node
R07765b	Intermediate_node
R00946b	Intermediate_node
R02150a	Cut_point_node
R00866a	Intermediate_node
R03018a	Cut_point_node
R05987a	Cut_point_node
R02056a	Intermediate_node
R01000a	Up_Stream_node
R04771a	Up_Stream_node
R00292a	Intermediate_node
R00438a	Intermediate_node
R00104a	Intermediate_node
R03875a	Up_Stream_node
R05145a	Intermediate_node
R02805a	Up_Stream_node
R01923a	Intermediate_node
R03527a	Up_Stream_node
R00961a	Intermediate_node
R03113a	Intermediate_node
R02485a	Intermediate_node
R07766a	Cut_point_node
R01829a	Intermediate_node
R00867a	Intermediate_node
R01415a	Cut_point_node
R05988a	Cut_point_node
R01001a	Intermediate_node
R01175a	Intermediate_node
R01001b	Intermediate_node
R01001c	Intermediate_node
R01095a	Intermediate_node
R00439a	Intermediate_node
R00359a	Up_Stream_node
R02740a	Intermediate_node
R02660a	Intermediate_node
R05066a	Intermediate_node
R07861a	Intermediate_node
R00962a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R07767a	Intermediate_node
R03288b	Up_Stream_node
R01350a	Intermediate_node
R00200a	Intermediate_node
R05989a	Cut_point_node
R02058a	Intermediate_node
R00200b	Intermediate_node
R02058b	Intermediate_node
R01176a	Up_Stream_node
R02821a	Intermediate_node
R00026a	Up_Stream_node
R02821b	Intermediate_node
R02661a	Intermediate_node
R00963a	Intermediate_node
R02567a	Intermediate_node
R00883a	Cut_point_node
R02313a	Intermediate_node
R02487a	Intermediate_node
R07768a	Cut_point_node
R01351a	Intermediate_node
R03035a	Intermediate_node
R01271a	Intermediate_node
R02059a	Intermediate_node
R00375a	Intermediate_node
R01177a	Intermediate_node
R01177b	Hub
R01940a	Intermediate_node
R02662a	Intermediate_node
R03050a	Intermediate_node
R00964a	Intermediate_node
R00710a	Intermediate_node
R02568a	Intermediate_node
R01512a	Intermediate_node
R01512b	Intermediate_node
R02488a	Intermediate_node
R07769a	Intermediate_node
R03036a	Intermediate_node
R00616a	Intermediate_node
R00376a	Intermediate_node
R01004a	Up_Stream_node
R00122a	Intermediate_node
R03973a	Cut_point_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R05577a	Intermediate_node
R00028a	Cut_point_node
R00965a	Intermediate_node
R00711a	Intermediate_node
R01513a	Intermediate_node
R02569a	Hub
R00631a	Cut_point_node
R01687a	Intermediate_node
R02235a	Intermediate_node
R00551a	Intermediate_node
R02155a	Cut_point_node
R04936a	Cut_point_node
R01005a	Intermediate_node
R00377a	Intermediate_node
R03720a	Intermediate_node
R03720b	Intermediate_node
R05578a	Intermediate_node
R02824a	Intermediate_node
R03626a	Intermediate_node
R04428a	Intermediate_node
R04188a	Intermediate_node
R02250a	Intermediate_node
R00966a	Intermediate_node
R01768a	Intermediate_node
R02090a	Intermediate_node
R02236a	Intermediate_node
R03038a	Intermediate_node
R01354a	Intermediate_node
R04951a	Intermediate_node
R01274a	Intermediate_node
R00618a	Intermediate_node
R01194a	Intermediate_node
R00378a	Intermediate_node
R00124a	Intermediate_node
R05579a	Intermediate_node
R06127a	Cut_point_node
R01863a	Intermediate_node
R02665a	Cut_point_node
R02331a	Intermediate_node
R02251a	Intermediate_node
R00967a	Intermediate_node
R01769a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R00713a	Intermediate_node
R00713b	Intermediate_node
R01515a	Intermediate_node
R00887a	Intermediate_node
R02091a	Intermediate_node
R02237a	Up_Stream_node
R01101a	Intermediate_node
R04952a	Intermediate_node
R01021a	Intermediate_node
R00619a	Cut_point_node
R03990a	Intermediate_node
R01021b	Intermediate_node
R04858a	Intermediate_node
R02920a	Intermediate_node
R00299a	Cut_point_node
R06128a	Cut_point_node
R04444a	Intermediate_node
R07881a	Intermediate_node
R02746a	Intermediate_node
R02332a	Intermediate_node
R06985a	Intermediate_node
R00968a	Intermediate_node
R01516a	Intermediate_node
R00888a	Cut_point_node
R01290a	Intermediate_node
R02092a	Intermediate_node
R01290b	Intermediate_node
R04953a	Intermediate_node
R00220a	Hub
R02078a	Intermediate_node
R03991a	Intermediate_node
R03991b	Hub
R06223a	Intermediate_node
R04939a	Cut_point_node
R04779a	Intermediate_node
R04445a	Intermediate_node
R04285a	Cut_point_node
R03469a	Intermediate_node
R03055a	Cut_point_node
R00969a	Up_Stream_node
R00715a	Intermediate_node
R00715b	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R02093a	Intermediate_node
R05916a	Intermediate_node
R02239a	Intermediate_node
R01357a	Intermediate_node
R04954a	Intermediate_node
R01103a	Intermediate_node
R00475a	Intermediate_node
R01023a	Intermediate_node
R04620a	Intermediate_node
R01009a	Cut_point_node/Down_stream_node
R00127a	Intermediate_node
R01960a	Cut_point_node
R01880a	Intermediate_node
R04286a	Cut_point_node
R02748a	Intermediate_node
R02668a	Cut_point_node
R01786a	Intermediate_node
R01786b	Intermediate_node
R00570a	Intermediate_node
R01372a	Intermediate_node
R00716a	Intermediate_node
R00716b	Intermediate_node
R01518a	Intermediate_node
R02094a	Intermediate_node
R05917a	Cut_point_node
R01104a	Intermediate_node
R01278a	Intermediate_node
R04621a	Intermediate_node
R01961a	Cut_point_node
R01881a	Intermediate_node
R01867a	Intermediate_node
R00731a	Intermediate_node
R01787a	Intermediate_node
R00571a	Intermediate_node
R00717a	Intermediate_node
R04970a	Intermediate_node
R02095a	Intermediate_node
R04890a	Cut_point_node
R07376a	Intermediate_node
R05692a	Cut_point_node
R05918a	Intermediate_node
R00557a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R04956a	Intermediate_node
R01105a	Up_Stream_node
R01279a	Intermediate_node
R01025a	Intermediate_node
R03660a	Intermediate_node
R03646a	Intermediate_node
R01788a	Intermediate_node
R04891a	Intermediate_node
R02096a	Intermediate_node
R07377a	Intermediate_node
R05919a	Intermediate_node
R00558a	Cut_point_node
R04957a	Intermediate_node
R01026a	Intermediate_node
R04543a	Intermediate_node
R03661a	Intermediate_node
R04463a	Intermediate_node
R02765a	Intermediate_node
R02765b	Intermediate_node
R01883a	Cut_point_node
R03313a	Intermediate_node
R00987a	Intermediate_node
R03139a	Up_Stream_node
R07618a	Intermediate_node
R01201a	Intermediate_node
R00573a	Intermediate_node
R07618b	Intermediate_node
R01201b	Intermediate_node
R02003a	Intermediate_node
R00719a	Intermediate_node
R01121a	Cut_point_node
R02097a	Intermediate_node
R01041a	Intermediate_node
R04892a	Intermediate_node
R04544a	Intermediate_node
R03662a	Intermediate_node
R02926a	Intermediate_node
R03648a	Intermediate_node
R00988a	Intermediate_node
R00734a	Intermediate_node
R00734b	Intermediate_node
R00494a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R04893a	Intermediate_node
R02098a	Intermediate_node
R04959a	Cut_point_node
R00226a	Intermediate_node
R04545a	Intermediate_node
R04385a	Intermediate_node
R02687a	Intermediate_node
R02433a	Intermediate_node
R00575a	Intermediate_node
R00575b	Intermediate_node
R01123a	Intermediate_node
R02099a	Intermediate_node
R04894a	Intermediate_node
R04560a	Intermediate_node
R04560b	Hub
R00227a	Intermediate_node
R04386a	Hub
R01966a	Up_Stream_node
R03170a	Intermediate_node
R00830a	Cut_point_node
R03316a	Intermediate_node
R00670a	Intermediate_node
R02100a	Intermediate_node
R00590a	Intermediate_node
R01392a	Intermediate_node
R00736a	Intermediate_node
R01378a	Intermediate_node
R03665a	Intermediate_node
R07810a	Intermediate_node
R01967a	Intermediate_node
R02435a	Intermediate_node
R03157a	Intermediate_node
R02101a	Intermediate_node
R02101b	Intermediate_node
R07396a	Up_Stream_node
R06260a	Cut_point_node
R03920a	Intermediate_node
R00497a	Intermediate_node
R00497b	Intermediate_node
R00243a	Hub
R00243b	Hub
R00149a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R00149b	Intermediate_node
R02530a	Cut_point_node
R01968a	Intermediate_node
R03172a	Intermediate_node
R03158a	Intermediate_node
R01220a	Intermediate_node
R01220b	Intermediate_node
R01394a	Intermediate_node
R00658a	Intermediate_node
R01206a	Up_Stream_node
R00578a	Cut_point_node
R00578b	Intermediate_node
R06261a	Cut_point_node
R01126a	Intermediate_node
R00084a	Cut_point_node
R02531a	Cut_point_node
R02371a	Intermediate_node
R01969a	Intermediate_node
R00833a	Intermediate_node
R00833b	Intermediate_node
R02103a	Intermediate_node
R01221a	Intermediate_node
R01061a	Intermediate_node
R00405a	Intermediate_node
R01207a	Cut_point_node
R00405b	Intermediate_node
R06262a	Cut_point_node
R07064a	Cut_point_node
R01127a	Intermediate_node
R00245a	Hub
R04230a	Cut_point_node
R02532a	Intermediate_node
R01570a	Cut_point_node
R02372a	Intermediate_node
R03174a	Intermediate_node
R00754a	Intermediate_node
R00420a	Intermediate_node
R02024a	Intermediate_node
R08107a	Intermediate_node
R06263a	Cut_point_node
R04725a	Intermediate_node
R00086a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R04311a	Intermediate_node
R01811a	Intermediate_node
R02613a	Cut_point_node
R02533a	Intermediate_node
R04137a	Intermediate_node
R05970a	Cut_point_node
R02519a	Cut_point_node
R01397a	Intermediate_node
R01397b	Intermediate_node
R02199a	Cut_point_node
R04740a	Intermediate_node
R00261a	Intermediate_node
R02199b	Cut_point_node
R01063a	Intermediate_node
R00181a	Intermediate_node
R01063b	Intermediate_node
R06264a	Cut_point_node
R04726a	Intermediate_node
R01049a	Intermediate_node
R01049b	Intermediate_node
R04566a	Intermediate_node
R03430a	Cut_point_node
R03270a	Intermediate_node
R01986a	Intermediate_node
R03270b	Intermediate_node
R03416a	Intermediate_node
R02534a	Intermediate_node
R04138a	Intermediate_node
R01718a	Cut_point_node
R02294a	Intermediate_node
R01478a	Intermediate_node
R01224a	Intermediate_node
R00342a	Intermediate_node
R01398a	Intermediate_node
R01398b	Intermediate_node
R00342b	Intermediate_node
R04741a	Intermediate_node
R04741b	Intermediate_node
R00328a	Intermediate_node
R00248a	Hub
R00248b	Hub
R04313a	Cut_point_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R02869a	Cut_point_node
R01813a	Cut_point_node
R02869b	Intermediate_node
R02535a	Cut_point_node
R00851a	Intermediate_node
R00851b	Intermediate_node
R01719a	Up_Stream_node
R05972a	Cut_point_node
R02295a	Intermediate_node
R06520a	Intermediate_node
R01639a	Intermediate_node
R00503a	Cut_point_node
R02107a	Intermediate_node
R04996a	Intermediate_node
R03940a	Intermediate_node
R03940b	Intermediate_node
R04742a	Intermediate_node
R04742b	Hub
R00183a	Intermediate_node
R05050a	Intermediate_node
R04568a	Intermediate_node
R00089a	Intermediate_node
R02536a	Intermediate_node
R02536b	Intermediate_node
R03004a	Intermediate_node
R05973a	Cut_point_node
R03098a	Intermediate_node
R00678a	Up_Stream_node/Cut_point
R02108a	Intermediate_node
R00344a	Hub
R00344b	Intermediate_node
R04743a	Intermediate_node
R01066a	Cut_point_node
R04743b	Intermediate_node
R00010a	Up_Stream_node
R00184a	Up_Stream_node
R05051a	Intermediate_node
R03433a	Intermediate_node
R01815a	Intermediate_node
R01989a	Intermediate_node
R02537a	Intermediate_node
R01655a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R01655b	Intermediate_node
R05800a	Cut_point_node
R03005a	Cut_point_node
R01321a	Intermediate_node
R02297a	Intermediate_node
R05640a	Intermediate_node
R02109a	Intermediate_node
R01227a	Intermediate_node
R04744a	Intermediate_node
R01067a	Intermediate_node
R00185a	Intermediate_node
R05052a	Intermediate_node
R04170a	Intermediate_node
R01830a	Hub
R03434a	Intermediate_node
R07833a	Up_Stream_node
R06871a	Intermediate_node
R01736a	Cut_point_node
R01402a	Intermediate_node
R00694a	Cut_point_node
R05801a	Cut_point_node
R00440a	Intermediate_node
R01082a	Intermediate_node
R00426a	Intermediate_node
R01082b	Intermediate_node
R04745a	Intermediate_node
R04745b	Intermediate_node
R01068a	Intermediate_node
R04171a	Intermediate_node
R02887a	Up_Stream_node
R03689a	Intermediate_node
R03435a	Intermediate_node
R00935a	Intermediate_node
R06872a	Intermediate_node
R02619a	Intermediate_node
R05990a	Intermediate_node
R05976a	Cut_point_node
R00441a	Intermediate_node
R01083a	Intermediate_node
R01083b	Intermediate_node
R01229a	Intermediate_node
R04746a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R00267a	Intermediate_node
R00267b	Intermediate_node
R00187a	Up_Stream_node
R04666a	Intermediate_node
R03370a	Intermediate_node
R01752a	Intermediate_node
R02300a	Intermediate_node
R03102a	Intermediate_node
R01818a	Cut_point_node
R00936a	Intermediate_node
R05991a	Intermediate_node
R01658a	Intermediate_node
R01324a	Intermediate_node
R00442a	Intermediate_node
R00362a	Hub
R00428a	Cut_point_node
R04747a	Intermediate_node
R00268a	Intermediate_node
R05549a	Up_Stream_node
R04747b	Hub
R00014a	Intermediate_node
R00014b	Intermediate_node
R03451a	Cut_point_node
R04173a	Intermediate_node
R03291a	Intermediate_node
R02301a	Intermediate_node
R03103a	Intermediate_node
R01819a	Intermediate_node
R00937a	Intermediate_node
R03197a	Cut_point_node
R02061a	Intermediate_node
R01579b	Up_Stream_node
R01325a	Intermediate_node
R01325b	Intermediate_node
R00443a	Intermediate_node
R01325c	Intermediate_node
R07168a	Intermediate_node
R04748a	Intermediate_node
R04748b	Intermediate_node
R02570a	Intermediate_node
R02556a	Intermediate_node
R00872a	Up_Stream_node

(Supplementary Data 1) cont....

Node_Name	Node_Type
R02302a	Intermediate_node
R03104a	Intermediate_node
R02222a	Intermediate_node
R02396a	Hub
R02142a	Intermediate_node
R00698a	Intermediate_node
R01326a	Intermediate_node
R05979a	Cut_point_node
R01166a	Up_Stream_node
R01166b	Up_Stream_node
R01086a	Intermediate_node
R01166c	Up_Stream_node
R01086b	Intermediate_node
R01086c	Intermediate_node
R04749a	Intermediate_node
R02731a	Intermediate_node
R02571a	Intermediate_node
R03293a	Intermediate_node
R04095a	Intermediate_node
R02557a	Intermediate_node
R03105a	Cut_point_node
R07758a	Intermediate_node
R00939a	Intermediate_node
R02397a	Intermediate_node
R03199a	Cut_point_node
R00939b	Hub
R00699a	Cut_point_node
R00111a	Intermediate_node
R01167a	Cut_point_node
R04430a	Intermediate_node
R02732a	Intermediate_node
R03534a	Intermediate_node
R03294a	Intermediate_node
R01676a	Intermediate_node
R07759a	Intermediate_node
R03026a	Intermediate_node
R06623a	Intermediate_node
R03026b	Intermediate_node
R01262a	Intermediate_node
R03026c	Intermediate_node
R03026d	Intermediate_node
R07599a	Cut_point_node

(Supplementary Data 1) cont....

Node_Name	Node_Type
R00526a	Up_Stream_node
R00526b	Up_Stream_node
R01248a	Intermediate_node
R00366a	Intermediate_node
R01168a	Intermediate_node
R00112a	Intermediate_node
R01168b	Intermediate_node
R00286a	Intermediate_node
R00286b	Intermediate_node
R03869a	Intermediate_node
R02719a	Intermediate_node
R07600a	Intermediate_node
R03295a	Intermediate_node
R04097a	Intermediate_node
R00955a	Intermediate_node
R00875a	Intermediate_node
R00621a	Intermediate_node
R04780a	Intermediate_node
R01329a	Intermediate_node
R00367a	Intermediate_node
R00287a	Intermediate_node
R00287b	Intermediate_node
R04432a	Intermediate_node
R03616a	Intermediate_node
R00970a	Intermediate_node
R00890a	Intermediate_node
R02320a	Intermediate_node
R07601a	Cut_point_node
R02240a	Intermediate_node
R00702a	Intermediate_node
R01678a	Intermediate_node
R02080a	Intermediate_node
R01184a	Intermediate_node
R04513a	Intermediate_node
R01933a	Intermediate_node
R07936a	Intermediate_node
R00891a	Intermediate_node
R07602a	Intermediate_node
R02241a	Intermediate_node
R02241b	Intermediate_node
R00703a	Intermediate_node
R01679a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R00623a	Intermediate_node
R04942a	Cut_point_node
R02147a	Intermediate_node
R01011a	Up_Stream_node
R01185a	Intermediate_node
R01185b	Intermediate_node
R00369a	Intermediate_node
R00115a	Intermediate_node
R00369b	Intermediate_node
R00115b	Intermediate_node
R00289a	Intermediate_node
R00289b	Intermediate_node
R02750a	Intermediate_node
R02670a	Intermediate_node
R02736a	Intermediate_node
R02736b	Intermediate_node
R01600a	Intermediate_node
R07937a	Up_Stream_node
R01520a	Intermediate_node
R07603a	Cut_point_node
R01360a	Hub
R00704a	Cut_point_node
R01280a	Intermediate_node
R02082a	Cut_point_node
R04863a	Intermediate_node
R00130a	Intermediate_node
R01186a	Intermediate_node
R04783a	Cut_point_node
R00036a	Cut_point_node
R04435a	Intermediate_node
R04355a	Intermediate_node
R02671a	Intermediate_node
R07952a	Intermediate_node
R03393a	Intermediate_node
R01855a	Intermediate_node
R03539a	Cut_point_node
R01521a	Intermediate_node
R00893a	Cut_point_node
R02577a	Intermediate_node
R02577b	Intermediate_node
R02323a	Intermediate_node
R07604a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R05920a	Cut_point_node
R00959a	Intermediate_node
R01361a	Intermediate_node
R03045a	Intermediate_node
R00705a	Intermediate_node
R03045b	Intermediate_node
R01281a	Cut_point_node
R01347a	Intermediate_node
R00465a	Intermediate_node
R01013a	Cut_point_node
R01187a	Intermediate_node
R05586a	Up_Stream_node
R03634a	Up_Stream_node
R01870a	Intermediate_node
R03300a	Intermediate_node
R07953a	Intermediate_node
R01790a	Intermediate_node
R03220a	Cut_point_node
R03394a	Intermediate_node
R01602a	Intermediate_node
R00720a	Intermediate_node
R00894a	Intermediate_node
R00894b	Intermediate_node
R05921a	Cut_point_node
R07859a	Cut_point_node
R02164a	Intermediate_node
R01348a	Intermediate_node
R00132a	Intermediate_node
R01951a	Cut_point_node/Down_stream_node
R01791a	Intermediate_node
R02739a	Intermediate_node
R00801a	Intermediate_node
R01857a	Intermediate_node
R07460a	Intermediate_node
R05922a	Cut_point_node
R02245a	Cut_point_node
R04960a	Intermediate_node
R00707a	Hub
R00707b	Intermediate_node
R02085a	Intermediate_node
R04880a	Cut_point_node
R01269a	Cut_point_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R04866a	Cut_point_node
R01015a	Hub
R01015b	Intermediate_node
R03650a	Intermediate_node
R00119a	Intermediate_node
R02914a	Intermediate_node
R04372a	Intermediate_node
R03302a	Intermediate_node
R03222a	Cut_point_node
R01858a	Intermediate_node
R00802a	Intermediate_node
R00722a	Intermediate_node
R03208a	Intermediate_node
R00896a	Intermediate_node
R02326a	Intermediate_node
R01364a	Intermediate_node
R00708a	Hub
R01364b	Intermediate_node
R00708b	Intermediate_node
R04881a	Intermediate_node
R00214a	Hub
R00214b	Intermediate_node
R04867a	Cut_point_node
R04533a	Intermediate_node
R01793a	Intermediate_node
R04025a	Cut_point_node
R01939a	Intermediate_node
R01859a	Intermediate_node
R02327a	Intermediate_node
R00709a	Hub
R04962a	Intermediate_node
R04882a	Intermediate_node
R00135a	Up_Stream_node
R04534a	Intermediate_node
R03652a	Intermediate_node
R03718a	Intermediate_node
R01954a	Intermediate_node
R01954b	Intermediate_node
R01954c	Intermediate_node
R03304a	Intermediate_node
R01794a	Intermediate_node
R00978a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R00310a	Cut_point_node
R04963a	Intermediate_node
R02088a	Intermediate_node
R04883a	Intermediate_node
R05351a	Up_Stream_node
R00216a	Hub
R04869a	Intermediate_node
R00216b	Intermediate_node
R04535a	Intermediate_node
R03719a	Cut_point_node
R02757a	Intermediate_node
R01795a	Cut_point_node
R03479a	Intermediate_node
R00899a	Intermediate_node
R00565a	Intermediate_node
R00565b	Intermediate_node
R04964a	Intermediate_node
R00485a	Intermediate_node
R00485b	Intermediate_node
R04390a	Intermediate_node
R00137a	Intermediate_node
R04536a	Intermediate_node
R03654a	Intermediate_node
R01890a	Intermediate_node
R02918a	Intermediate_node
R01956a	Intermediate_node
R01876a	Intermediate_node
R00726a	Intermediate_node
R01528a	Intermediate_node
R00566a	Intermediate_node
R04965a	Intermediate_node
R03815a	Intermediate_node
R04391a	Up_Stream_node
R03989a	Intermediate_node
R04537a	Intermediate_node
R03655a	Intermediate_node
R04203a	Intermediate_node
R03321a	Intermediate_node
R02919a	Intermediate_node
R03161a	Up_Stream_node
R01383a	Intermediate_node
R00727a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R01383b	Intermediate_node
R01529a	Intermediate_node
R01529b	Intermediate_node
R00233a	Hub
R03656a	Intermediate_node
R04204a	Intermediate_node
R04378a	Intermediate_node
R01878a	Intermediate_node
R01624a	Intermediate_node
R00742a	Intermediate_node
R00662a	Intermediate_node
R00582a	Intermediate_node
R01384a	Intermediate_node
R01130a	Intermediate_node
R04967a	Intermediate_node
R00488a	Up_Stream_node
R01036a	Intermediate_node
R04887a	Intermediate_node
R03657a	Intermediate_node
R02521a	Cut_point_node
R02695a	Intermediate_node
R04125a	Hub
R04125b	Hub
R01959a	Cut_point_node
R01959b	Cut_point_node
R01799a	Cut_point_node
R01051a	Intermediate_node
R00569a	Intermediate_node
R00489a	Intermediate_node
R01117a	Intermediate_node
R04968a	Intermediate_node
R00235a	Hub
R04888a	Intermediate_node
R00235b	Hub
R00155a	Intermediate_node
R06238a	Cut_point_node
R04300a	Cut_point_node
R05196a	Up_Stream_node
R03658a	Intermediate_node
R01560a	Intermediate_node
R00904a	Cut_point_node
R01706a	Intermediate_node

(Supplementary Data 1) contd.,...

Node_Name	Node_Type
R01626a	Intermediate_node
R06907a	Up_Stream_node
R00410a	Intermediate_node
R00330a	Intermediate_node
R01132a	Intermediate_node
R00316a	Intermediate_node
R07055a	Intermediate_node
R00236a	Hub
R04889a	Intermediate_node
R00156a	Intermediate_node
R04301a	Cut_point_node
R03659a	Cut_point_node
R01975a	Intermediate_node
R01975b	Intermediate_node
R02697a	Intermediate_node
R01641a	Hub
R01641b	Intermediate_node
R03245a	Cut_point_node
R01561a	Intermediate_node
R00905a	Intermediate_node
R00905b	Intermediate_node
R03165a	Cut_point_node
R06908a	Cut_point_node
R01547a	Intermediate_node
R02269a	Intermediate_node
R00585a	Intermediate_node
R02269b	Intermediate_node
R00251a	Up_Stream_node
R00317a	Up_Stream_node
R07056a	Intermediate_node
R00157a	Intermediate_node
R02872a	Intermediate_node
R01802a	Cut_point_node
R04208a	Intermediate_node
R00840a	Intermediate_node
R00840b	Intermediate_node
R02110a	Intermediate_node
R02030a	Intermediate_node
R00746a	Intermediate_node
R01548a	Intermediate_node
R01214a	Intermediate_node
R01388a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R02016a	Intermediate_node
R01214b	Intermediate_node
R00332a	Intermediate_node
R01214c	Intermediate_node
R01134a	Intermediate_node
R01054a	Up_Stream_node
R03915a	Intermediate_node
R07057a	Intermediate_node
R00238a	Hub
R00238b	Hub
R00158a	Intermediate_node
R00238c	Intermediate_node
R02873a	Intermediate_node
R03595a	Intermediate_node
R03181a	Cut_point_node
R04209a	Intermediate_node
R07806a	Up_Stream_node
R02111a	Intermediate_node
R01549a	Intermediate_node
R00667a	Intermediate_node
R04812a	Up_Stream_node
R02017a	Intermediate_node
R01135a	Intermediate_node
R00253a	Hub
R01135b	Intermediate_node
R00253b	Intermediate_node
R03916a	Intermediate_node
R00239a	Intermediate_node
R04638a	Cut_point_node
R00159a	Intermediate_node
R02874a	Intermediate_node
R02794a	Intermediate_node
R04224a	Intermediate_node
R03342a	Intermediate_node
R04144a	Intermediate_node
R01804a	Intermediate_node
R01978a	Hub
R00842a	Intermediate_node
R07807a	Cut_point_node
R00762a	Intermediate_node
R01310a	Intermediate_node
R00908a	Intermediate_node

(Supplementary Data 1) contd....

Node_Name	Node_Type
R01230a	Intermediate_node
R01070a	Hub
R01070b	Intermediate_node
R00414a	Cut_point_node
R02018a	Intermediate_node
R01056a	Intermediate_node
R01056b	Intermediate_node
R00094a	Intermediate_node
R04639a	Cut_point_node
R04559a	Intermediate_node
R01993a	Intermediate_node
R04065a	Intermediate_node
R01899a	Intermediate_node
R02527a	Intermediate_node
R07808a	Cut_point_node
R01565a	Intermediate_node
R01231a	Intermediate_node
R02287a	Hub
R01231b	Intermediate_node
R02287b	Intermediate_node
R01151a	Intermediate_node
R00669a	Up_Stream_node
R01071a	Intermediate_node
R02019a	Intermediate_node
R00335a	Intermediate_node
R01137a	Intermediate_node
R01057a	Intermediate_node
R01057b	Intermediate_node
R05202a	Intermediate_node
R06258a	Cut_point_node
R01900a	Intermediate_node
R01900b	Intermediate_node
R02382a	Cut_point_node
R00924a	Intermediate_node
R02528a	Intermediate_node
R07809a	Intermediate_node
R00430a	Intermediate_node
R02114a	Intermediate_node
R02288a	Intermediate_node
R01232a	Up_Stream_node
R01072a	Intermediate_node
R01072b	Intermediate_node

(Supplementary Data 1) contd.,.,.,.

Node_Name	Node_Type
R00190a	Intermediate_node
R01218a	Intermediate_node
R01138a	Intermediate_node
R00256a	Hub
R00256b	Intermediate_node
R00256c	Intermediate_node
R02971a	Up_Stream_node
R06259a	Cut_point_node
R04241a	Up_Stream_node
R03425a	Intermediate_node
R03599a	Cut_point_node

Note: KEGG reaction IDs are used for the node names.

Supplementary Data 2. List of Genes and Reactions of the Human Metabolic Network

List of Nodes	
Node_Name	Entrez Gene ID
R01095a	231
R02109a	178
R07861a	9415
R01478a	2990
R02055a	23761
R00939a	1719
R00978a	1806
R01793a	5860
R01121a	4597
R03172a	34
R01224a	4524
R02030a	54675
R01201a	55577
R05981a	23193
R00253b	2752
R01768a	7498
R00667a	4942
R04435a	54187
R01269a	4837
R07412a	1355
R00618a	79178
R05922a	9488
R02665a	23498
R00905a	51733

(Supplementary Data 2) contd.,.,.,.

List of Nodes	
Node_Name	Entrez Gene ID
R00705a	4329
R05969a	1798
R00937a	1719
R01372a	3242
R01026a	43
R04097a	1629
R01827a	6888
R02101a	7298
R00833a	4594
R00940a	1719
R02521a	3242
R03199a	4047
R06871a	162466
R01171a	35
R03815a	1738
R03428a	3705
R00344b	5091
R00439a	87178
R00969a	318
R03050a	10994
R01815a	7054
R01939a	51166
R03534a	79944
R02872a	2222
R03953a	7173
R01001b	1491
R00988a	125061
R02297a	4860
R01194a	2717
R03208a	7173
R01082a	2271
R07760a	201562
R03189a	10841
R03165a	7390
R04323a	130013
R01168a	3034
R02085a	549
R02237a	2356
R01993a	790
R01570a	1890
R00565b	2628

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R01066a	51071
R01364a	2184
R01025a	55349
R01819a	4351
R04930a	1491
R03940a	123263
R07758a	79071
R02920a	1312
R05196a	178
R05692a	7264
R03626a	246
R05555a	79947
R05046a	2643
R00616a	27010
R00184a	318
R01083a	158
R03181a	2954
R02078a	7299
R03362a	5289
R05917a	9487
R00187a	2272
R02142a	3251
R02668a	8942
R02061a	9453
R01663a	1635
R00866a	3795
R04242a	8836
R01863a	4860
R04881a	1312
R01954c	445
R00359a	8528
R02556a	100
R03718a	570
R01061a	2597
R04672a	10994
R00227a	134526
R02236a	1719
R01920a	6723
R04953a	2194
R02571a	1743
R05921a	55650

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R01920b	6723
R04125b	275
R01718a	6476
R02302a	10841
R00736a	1644
R04543a	2194
R02577b	231
R00006a	10994
R03776a	51102
R01392a	9380
R02794a	10998
R01398b	5009
R03973a	7173
R02396a	1384
R01201b	55577
R00575b	790
R03304a	1312
R00135a	51056
R06223a	2222
R02527a	9380
R00426a	3704
R05556a	79947
R00708a	8659
R01666a	1633
R07396a	6898
R03342a	4282
R01056a	22934
R00715a	10157
R05983a	4245
R00149b	1373
R02720a	3704
R05579a	2639
R04887a	1312
R02739a	2821
R00746a	10327
R00226a	10994
R02098a	1841
R01176a	116285
R04942a	875
R01648a	18
R07806a	2588

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R04171a	51166
R06259a	79796
R06260a	79087
R00257a	55191
R07377a	9791
R01253a	5625
R04673a	10994
R02287a	10841
R00286b	7358
R02488a	2639
R07762b	79071
R00833b	4594
R03871a	316
R01883a	2593
R04209a	10606
R03451a	55217
R07953a	30
R03161a	197258
R04753a	51102
R00414a	10020
R00905b	51733
R00310a	2235
R01104a	2717
R03429a	3705
R00875a	6652
R03479a	3705
R04970a	2194
R04144a	2618
R00366a	1610
R02973a	8876
R00405b	8803
R00716a	10157
R00619a	27010
R07937a	30
R03158a	26275
R00713a	7915
R00094a	2936
R05918a	284098
R02736a	2539
R00497a	2937
R02397a	8424

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R05640a	1595
R04463a	5198
R02058b	64841
R01082b	2271
R03689a	1718
R05048a	2643
R04964a	2194
R04444a	8659
R01813a	6697
R03269a	60490
R07460a	9054
R00840a	51477
R02567a	55349
R02824a	51060
R02662a	1629
R03434a	9562
R07411a	1352
R00578a	440
R04544a	2194
R01388a	9380
R04965a	2194
R00112a	23530
R07618b	1738
R01521a	9563
R02288a	144193
R00941a	10840
R02269a	1807
R02549a	223
R04230a	79717
R02873a	6713
R05973a	85365
R02978a	2531
R01394a	81888
R00699a	1644
R05979a	7841
R02313a	10157
R01093a	231
R03654a	2617
R00566a	113451
R01117a	55907
R01397a	790

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R07057a	240
R00565a	2628
R01083b	158
R02094a	1841
R01966a	1486
R01072b	5471
R02569a	1737
R01127a	471
R02103a	7498
R04967a	2194
R03313a	5832
R00438a	87178
R02107a	7498
R01529a	6120
R02530a	2739
R01074a	3141
R01795a	5053
R01954b	445
R05064a	26275
R00987a	8942
R02245a	4598
R01086a	435
R01870a	7372
R03599a	51540
R07168a	4524
R01086c	435
R06261a	79796
R02531a	231
R01794a	5860
R01005a	29880
R01184a	55586
R00485b	80150
R01967a	1716
R00670a	4953
R03915a	51060
R06263a	79053
R00575a	790
R06258a	10195
R04534a	2194
R00115b	2936
R03294a	8659

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R02821b	635
R01415a	1806
R00848a	2820
R01290a	875
R01077a	686
R00704a	197257
R04560a	471
R05980a	23193
R00707a	8659
R00178b	262
R02101b	7298
R01959b	125061
R01402a	4507
R00220a	10993
R02661a	34
R01015b	7167
R02480a	3052
R06985a	51102
R01360a	3155
R01166c	84735
R05988a	2530
R00966a	139596
R02757a	55750
R02294a	4860
R04535a	2194
R00437a	87178
R04285a	6697
R02235a	1719
R05800a	253430
R00851a	57678
R04445a	8659
R00717a	9380
R02301a	10588
R01350a	4023
R00578b	440
R01528a	5226
R00344a	5091
R06238a	85365
R01364b	2184
R01221a	275
R01954a	445

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R02090a	2987
R02300a	275
R03940b	123263
R02750a	64080
R02110a	2632
R01231b	8833
R00707b	8659
R01103a	2717
R01001c	1491
R02295a	4860
R00715b	10157
R00130a	80347
R02765a	84693
R00259a	162417
R02670a	847
R00149a	1373
R04085a	316
R01168b	3034
R01956a	51166
R03220a	1371
R00585a	189
R06127a	440138
R00888a	2762
R03634a	2717
R01989a	2628
R00893a	1036
R00891a	875
R07768a	11019
R03055a	1807
R01056b	22934
R03035a	80347
R00253a	2752
R03658a	3735
R05972a	56052
R01790a	8972
R01384a	80146
R03222a	5498
R02926a	2717
R01166a	84735
R01329a	2717
R01357a	65985

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R01665a	51727
R02080a	1644
R00351a	1431
R06128a	440138
R01565a	29958
R01398a	5009
R01520a	9563
R00036a	210
R00465a	9380
R05984a	4124
R03321a	2821
R07762a	79071
R04954a	2194
R00157a	50808
R01960a	8564
R00702a	2222
R04666a	51733
R02577a	231
R00946a	4548
R00939b	1719
R02705a	10020
R04725a	2194
R00662a	3704
R07936a	3030
R05920a	23556
R00512a	51727
R07618a	1738
R01207a	5973
R00115a	2936
R04513a	5728
R04301a	1312
R04325a	2618
R01132a	3251
R04537a	2194
R00352b	47
R01004a	57171
R02056a	10400
R02765b	84693
R04560b	471
R03347a	54981
R03393a	3628

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R01013a	8443
R02914a	131669
R03157a	26275
R01867a	1723
R03720b	570
R01560a	100
R01811a	80896
R00428a	2643
R00010a	11181
R01804a	54187
R04962a	2194
R03416a	10434
R00289b	7360
R02383b	7299
R01001a	1491
R05985a	4247
R02147a	4860
R05801a	253430
R03427a	3628
R03245a	10654
R00590a	10993
R01513a	26227
R01639a	9942
R00908a	18
R00899a	290
R01232a	318
R06262a	29929
R04959a	2194
R02287b	10841
R03720a	570
R01802a	10423
R07808a	2799
R00708b	8659
R03174a	1629
R01063b	2597
R05986a	4248
R03348a	23475
R04125a	275
R01378a	4282
R03936a	8942
R02740a	2821

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R02155a	3176
R02487a	2639
R00485a	80150
R07764a	201562
R01529b	6120
R04326a	2618
R02805a	318
R04311a	8540
R07767a	11019
R04325b	2618
R04956a	2194
R01951a	8790
R03105a	4357
R01397b	790
R01063a	2597
R05990a	6480
R00946b	4548
R01321a	56994
R00289a	7360
R00851b	57678
R07952a	3030
R03170a	35
R01157a	79814
R02059a	51005
R00955a	2592
R00840b	51477
R02114a	3931
R00924a	34
R01072a	5471
R03295a	5625
R00286a	7358
R00582a	5723
R01787a	231
R01278a	51102
R04591a	10606
R07376a	81490
R01051a	64080
R00731a	7299
R00420a	10020
R01561a	4860
R00332a	2987

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R00936a	1719
R04951a	290
R01351a	11343
R04533a	2194
R00233a	23417
R01290b	875
R03989a	51102
R04639a	2643
R00610a	51268
R00352a	47
R02519a	3081
R00257b	55191
R02383a	7299
R03197a	7389
R01230a	8833
R02821a	635
R04536a	2194
R00716b	10157
R00351b	1431
R04559a	158
R00440a	87178
R03856a	51102
R02874a	6713
R01271a	10135
R02535a	1621
R01676a	9615
R04430a	2194
R02082a	3156
R01959a	125061
R04566a	2194
R01602a	130589
R01855a	3704
R00611a	1757
R02660a	35
R03539a	7173
R04432a	34
R01166b	84735
R00362a	171425
R02534a	1312
R01009a	8813
R00367a	27232

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R03652a	5859
R00291a	2582
R00178a	262
R02533a	5409
R01011a	26007
R06623a	2822
R00158a	51727
R00713b	7915
R04188a	18
R01015a	7167
R00942a	2356
R02269b	1807
R00084a	3145
R00965a	7372
R05549a	2717
R03425a	2731
R01023a	1103
R02736b	2539
R00720a	3704
R01231a	8833
R04286a	5805
R00104a	65220
R00251a	26873
R04378a	353
R00669a	95
R04208a	2618
R00497b	2937
R00239a	5832
R00935a	4329
R04428a	2194
R04241a	2356
R04173a	29968
R02570a	1743
R05145a	3141
R00245a	8659
R01769a	7498
R00405a	8803
R04568a	2194
R01086b	435
R02058a	64841
R03288b	84735

(Supplementary Data 2) contd....

List of Nodes	
Node_Name	Entrez Gene ID
R00782a	1491
R00111a	4842/4843/4846
R01900b	48/50/441996
R00317a	97/98
R02695a	218/220/221/222
R04960a	54995/2194
R03657a	23395/51520
R01969a	4860/1890
R03469a	5305/8394/8395/8396/23396/79837/200576
R04883a	218/220/221/222
R01986a	217/218/219/220/223/224/501
R02887a	2629/57733
R01348a	1579/284541
R03104a	3939/3945/3948/92483/160287
R03283a	223/217/218/219/220/224/501
R01512a	5230/5232
R01569a	4907/22978/30833/51251/56953/84618/93034
R01214a	586/587
R00342b	4190/4191
R03646a	5917/57038
R04726a	54995/2194
R00274a	2876/2877/2878/2879/2880/2882/257202
R01890a	5130/9468
R01679a	2720/3938
R00959a	5236/5238
R00442a	5430/5431/5432/5433/5434/5435/5436/5437/5438/ 5439/5440/5441/9533/10622/11128/25885/30834/ 51082/51728/55703/84172/84265/171568
R01041a	231/10327
R04957a	54995/2194
R01000a	3939/3945/3948/92483/160287
R07064a	5319/5320/5321/5322/8398/8399/26279/30814/50487/ 64600/81579/84647
R02536b	218/220/221/222
R04952a	54995/2194
R02697a	218/220/221/222
R00558a	4842/4843/4846
R00089a	107/108/109/111/112/113/114/115/55811/196883
R03361a	5297/5298
R00526b	443/91703
R05989a	2683/8703/8704
R02372a	7371/83549

(Supplementary Data 2) contd....

List of Nodes	
Node_Name	Entrez Gene ID
R00355b	2805/2806
R02100a	1854/3704
R00961a	953/956/124583/377841/955/957/9583
R01138a	5313/5315
R03430a	3632/3636/27124/51763
R00371a	211/212/23464
R02199b	586/587
R07809a	3073/3074
R04025a	4128/4129
R01687a	2678/2686/91227
R01325c	48/50/441996
R04737a	3030/1962/3028/3033/3295
R00503a	2683/3906/8704
R02099a	7083/7084
R00754a	124/125/126/127/128/130/131/137872
R00216a	4200/4199/10873
R00968a	7371/83549
R01214c	586/587
R02097a	7371/83549
R01101a	2548/2595/8972/2717
R03045b	1892/1962/3030
R01057b	5236/5238
R04738a	1892/3030/1962
R02024a	6240/6241/50484
R00887a	55757/56886
R00694a	6898/2805/2806
R01579b	2744/27165
R02484a	4860/1890
R00964a	7371/83549
R00287a	5167/5169
R00551a	383/384
R00103a	83594/5167/5169
R00434a	2977/2982/2983/2984/2986/3000/4881/4882/107/108/ 109/111/112/113/114/115/55811/196883
R04674a	4128/4129
R00511a	4907/22978/30833/51251/56953/84618/93034
R04894a	4128/4129
R03103a	60496/132949
R01791a	6476/8972
R04203a	1962/3028/3033/3295
R04745a	3030/3028/3033/3295/1962

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R00377a	5422/5424/5425/5426/5427/5557/5558/5985/10714/ 23649/54107/56655/57804
R01752a	217/218/219/220/223/224/501
R02019a	6240/6241/50484
R01279a	34/33/37/51/8310
R05351a	51109/57016/57665/80270/112724/145226
R04224a	1892/1962/3030
R04204a	1892/1962/3030
R00963a	4907/22978/30833/51251/56953/84618/93034
R02433a	2805/2806
R01167a	1644/3067
R04742b	3032/10449/30
R00711a	218/220/221/222/217/219/223/224/501
R00119a	683/952
R04747a	3032/10449/30
R00328a	953/956/124583/377841/955/957/9583
R01281a	9517/10558
R00137a	23057/64802/349565
R00801a	2548/2595/8972
R00183a	4907/22978/30833/51251/56953/84618/93034
R01518a	669/5223/5224/441531
R03522a	2938/2939/2940/2941/2944/2946/2947/2948/2949/ 2950/2952/2953/2954/4257/4258/4259/119391/ 221357/373156
R00299a	2645/3098/3099/3101
R00621a	4967/55753
R00238a	38/39/30/3032/10449
R02613a	26/314/8639/4128/4129
R03665a	7407/57176
R01978a	3157/3158
R00475a	51179/54363
R04779a	5211/5213/5214
R00248a	2746/2747
R02018a	6240/6241/50484
R01818a	5372/5373/55276
R01227a	4907/22978/30833/51251/56953/84618/93034
R01252a	5033/8974/283208
R01548a	7371/83549
R01090a	586/587
R01655b	4522/25902/10797
R06907a	9249/10202/51635/115817/207063
R04869a	28972/60559

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R04741a	3030/1962/3028/3033/3295
R04385a	31/32
R01600a	3098/3099/3101/2645
R07765b	9524/55825
R05987a	11282/11320
R00945c	6470/6472
R04746a	1892/3030/1962
R03433a	3706/3707
R03370a	6319/79966
R00726a	5105/5106
R01664a	4907/22978/30833/51251/56953/84618/93034
R00243a	2746/2747
R01829a	226/229/230
R04065a	217/218/219/220/223/224/501
R00742a	31/32
R01786a	2645/3098/3099/3101
R02108a	276/277/278/279/280/84569
R02241b	10554/10555/56894/56895/137964/253558
R00238b	38/39/30/3032/10449
R01961a	3098/3099/3101
R00214b	4200/4199/10873
R02135a	8776/8898/9107/29085/64077
R04743b	3030/3028/3033/3295/1962
R03661a	2058/25973
R02568a	226/229/230
R02869b	6611/6723
R01383a	7363/7364/7365/7366/7367/10720/10941/54490/ 54575/54576/54577/54578/54579/54600/54657/54658/ 54659/79799
R01067a	7086/8277/84076
R02095a	953/956/124583/377841
R02435a	6819/25830/27233/27284
R01878a	978/57379
R01126a	4907/22978/30833/51251/56953/84618/93034
R07859a	5319/5320/5321/5322/8398/8399/26279/30814/50487/ 64600/81579/84647
R04890a	4128/4129
R03662a	6301/54938
R00494a	2678/2686/91227
R02687a	1056/3988/3990/5406/5407/5408/8513/9388/80339
R00369a	189/64902
R00573a	1503/56474

(Supplementary Data 2) contd.....

List of Nodes	
Node_Name	Entrez Gene ID
R01175a	35/34/36/51/8310
R01975a	1962/3028/3033/3295
R01361a	622/56898
R04888a	218/220/221/222
R03616a	2720/3938
R00330a	4830/4831/4833/10201/29922
R01547a	203/204/205/26289/122481
R02485a	978/57379
R07759a	2194/51144
R02096a	7371/83549
R00678a	6999/3620/169355
R00258b	2875/84706
R01151a	26/314/8639
R00883a	29925/29926
R01090b	586/587
R07766a	387787/650826
R01933a	4967/55753
R00734a	2805/2806/6898
R03659a	4141/92935
R02088a	4907/22978/30833/51251/56953/84618/93034
R02326a	4830/4831/4833/10201/29922
R00292a	2997/2998
R00698a	4025/4353/7173/8288/9588
R00623a	124/125/126/127/128/130/131/137872
R01049b	5631/5634/221823
R02731a	5207/5208/5209/5210
R02719a	4907/22978/30833/51251/56953/84618/93034
R01049a	5631/5634/221823
R04390a	60496/132949
R01154a	6303/112483
R04300a	4128/4129/26/314/8639
R04095a	3712/34
R04742a	3032/10449/30
R05578a	2058/124454
R03527a	2629/57733
R00155a	955/957/9583/124583/953/956/377841
R07881a	7994/8260/23522/24142/51100/51126/80339/114799/ 157570/253558
R01130a	3614/3615
R01280a	2180/2181/2182/23305/51703
R00894a	2729/2730

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List of Nodes	
Node_Name	Entrez Gene ID
R04737b	3030/1962/3028/3033/3295
R02150a	26/314/8639
R03858a	3032/10449/30
R03302a	218/220/221/222
R01123a	3422/91734
R00014b	5160/5161/5162/10994
R02706a	8776/8898/9107/29085/64077
R01325a	48/50/441996
R04754a	34/33/51/8310
R00945a	6470/6472
R03778a	3032/10449/30
R01070b	226/229/230
R06518a	427/340485/55331
R03991a	3032/10449/30
R01248a	5831/29920/65263
R04137a	1892/1962/3030
R01736a	3029/84264
R07763b	2194/51144
R05066a	1962/3028/3033/3295/11112
R04963a	54995/2194
R00235a	55902/84532
R05202a	23729/27231/64122
R03102a	60496/132949
R02239a	8611/8612/8613
R04748b	3030/3028/3033/3295/1962
R00943b	4522/25902/10797
R01830a	7086/8277/84076
R05970a	55849/199857
R04739b	3030/1962/3028/3033/3295
R03270b	5160/5161/5162
R01347a	1579/284541
R01177a	3032/10449/38/39/30
R01310a	5337/5338
R00435a	5430/5431/5432/5433/5434/5435/5436/5437/5438/ 5439/5440/5441/9533/10622/11128/25885/30834/ 51082/51728/55703/84172/84265/171568
R06908a	7994/8260/23522/24142/51100/51126/80339/114799/ 157570/253558
R01626a	2194/27349
R02003a	2224/9453
R05916a	5277/5279/5283/9091/51227
R00268a	3417/3418

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R00926a	55902/84532
R04892a	218/220/221/222
R00256a	2744/27165
R05919a	54965/93183
R04812a	51109/57016/57665/80270/112724/145226
R01036a	231/10327
R01968a	4907/22978/30833/51251/56953/84618/93034
R00703a	3939/3945/3948/92483/160287
R01515a	97/98
R04863a	60496/132949
R00658a	2023/2026/2027
R01899a	3417/3418
R02091a	7371/83549
R00191a	5136/5137/5138/5139/5140/5141/5142/5143/5144/ 5147/5148/5149/5150/5151/5152/8622/8654/10846/ 27115/50940
R04741b	3030/1962/3028/3033/3295
R01641a	7086/8277/84076
R00569a	953/956/124583/377841
R07603a	593/594
R00267b	3417/3418
R07601a	593/594
R01354a	55902/84532
R03026b	1892/1962/3030
R03920a	3098/3099/3101
R00867a	3098/3099/3101
R00945d	6470/6472
R04620a	248/249/250/251
R04749a	1892/3030/1962
R00102a	683/952
R06872a	7994/8260/23522/24142/51100/51126/80339/114799/ 157570/253558
R01881a	1152/1158/1159/1160/548596
R00557a	4842/4843/4846
R00872a	8776/8898/9107/29085/64077
R00432a	8801/8802/283398
R00200b	5313/5315
R00768b	2673/9945
R03916a	2678/2686/91227
R02111a	5834/5836/5837
R02332a	7371/83549
R02250a	1056/3988/3990/5406/5407/5408/8513/9388/80339

(Supplementary Data 2) contd.,...

List of Nodes	
Node_Name	Entrez Gene ID
R06264a	84920/144245
R00127a	203/204/205/26289/122481
R05052a	2805/2806
R07833a	7994/8260/23522/24142/51100/51126/80339/114799/ 157570/253558
R04771a	4143/27430
R01105a	2720/3938
R02093a	4830/4831/4833/10201/29922
R00216b	4200/4199/10873
R07765a	9524/55825
R03875a	6839/9739/9869/10919/64324/79723/79813/80854/ 84444
R01678a	3938/2720
R01655a	4522/25902/10797
R00248b	2746/2747
R00488a	443/91703
R03778b	3032/10449/30
R00256c	2744/27165
R02529a	4128/4129/26/314/8639
R07604a	593/594
R03777a	34/33/51/8310
R02532a	4128/4129
R02016a	7296/10587
R02536a	218/220/221/222
R05976a	1603/1650/6184/6185/201595
R00570a	4830/4831/4833/10201/29922
R04936a	191/23382
R07761a	9524/55825
R04138a	56922/64087
R07056a	1544/1551/1557/1558/1559/1562/1571/1573/1576/157 7/64816
R00086a	953/956/124583/377841/954
R01788a	2538/57818
R00243b	2746/2747
R05577a	1615/55157
R05991a	4249/146664
R04621a	2068/2071/6595/8438/8467/8886/9416/10856/10973/ 11056/11164/23020/23400/23517/25788/51202/51428/ 54456/54514/54606/55308/57089/57634/57696/64135/ 79009/79039/79132/254552/317781
R03346a	4907/22978/30833/51251/56953/84618/93034
R00235b	55902/84532
R01786b	2645/3098/3099/3101

(Supplementary Data 2) contd....

List of Nodes	
Node_Name	Entrez Gene ID
R00316a	55902/84532
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R01021a	1119/1120
R01218a	4522/10797
R03036a	5167/5169
R00375a	5422/5424/5425/5426/5427/5557/5558/5985/10714/ 23649/54107/56655/57804
R01092a	2584/2585
R02732a	5207/5208/5209/5210
R02053a	5319/5320/5321/5322/8398/8399/26279/30814/50487/ 64600/81579/84647
R03869a	217/218/219/220/223/224/501
R00238c	38/39/30/3032/10449
R04780a	2203/8789
R02371a	7371/83549
R00631a	217/218/219/220/223/224/501
R01214b	586/587
R00185a	132/1633
R02017a	6240/6241/50484
R00571a	1503/56474
R02557a	1890/4860
R01187a	3612/3613
R04880a	124/125/126/127/128/130/131/137872
R01177b	3032/10449/38/39/30
R00410a	5019/64064
R02035a	9563/25796
R01220a	4522/25902
R01567a	7083/7084
R04545a	5290/5291/5293/5294
R03656a	3376/55699
R01274a	5538/9374
R03300a	218/220/221/222
R01662a	669/5223/5224/441531
R03291a	5831/29920/65263
R00122a	953/956/124583/377841
R01857a	4830/4831/4833/10201/29922
R02199a	586/587
R03857a	34/33/51/8310
R01876a	7378/151531
R02971a	53354/55229/79646/80025
R03026d	1892/1962/3030

(Supplementary Data 2) contd....

List of Nodes	
Node_Name	Entrez Gene ID
R02748a	4860/1890
R03595a	22928/22929
R00431a	5105/5106
R00894b	2729/2730
R04313a	28972/60559
R00719a	953/956/124583/377841
R01134a	2766/51292
R01719a	2068/2071/6595/8438/8467/8886/9416/10856/10973/ 11056/11164/23020/23400/23517/25788/51202/51428/ 54456/54514/54606/55308/57089/57634/57696/64135/ 79009/79039/79132/254552/317781
R03648a	4677/79731
R04783a	2720/3938
R00765a	10007/132789
R01251a	5831/29920/65263
R01206a	1118/27159
R00945b	6470/6472
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R00709a	3419/3420/3421
R00124a	4830/4831/4833/10201/29922
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R00335a	953/956/124583/377841
R04739a	3030/1962/3028/3033/3295
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R02323a	4907/22978/30833/51251/56953/84618/93034
R03026a	1892/1962/3030
R04404a	3633/4952/8867/8871/56623/114971
R02484b	4860/1890
R00190a	353/3251
R00261a	2571/2572/113451
R01900a	48/50/441996
R02869a	6611/6723
R01325b	48/50/441996
R04386a	31/32
R00378a	5422/5424/5425/5426/5427/5557/5558/5985/10714/ 23649/54107/56655/57804
R00376a	5422/5424/5425/5426/5427/5557/5558/5985/10714/ 23649/54107/56655/57804
R03005a	23057/64802/349565
R01624a	54995/2194

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R00342a	4190/4191
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R01317a	5319/5320/5321/5322/8398/8399/26279/30814/50487/ 64600/81579/84647
R01512b	5230/5232
R01186a	3612/3613
R00970a	7371/83549
R00022a	3073/3074
R00727a	8801/8802/283398
R04372a	3631/8821
R00355a	2805/2806
R04744a	1892/3030/1962
R03991b	3032/10449/30
R00927a	30/3032/10449
R01135b	159/122622
R03018a	53354/55229/79646/80025
R07810a	3073/3074
R01185b	3612/3613
R04747b	3032/10449/30
R00132a	759/760/761/762/763/765/766/767/768/771/11238/ 23632/377677
R00430a	5313/5315
R00526a	443/91703
R01054a	11164/53343
R01185a	3612/3613
R03098a	60496/132949
R00181a	270/271/272
R04391a	53354/55229/79646/80025
R01229a	3251/353
R04889a	218/220/221/222
R07769a	387787/650826
R00722a	4830/4831/4833/10201/29922
R02051a	5337/5338
R04858a	1786/1788/1789
R01799a	1040/8760
R00014a	5160/5161/5162/10994
R01262a	2678/2686/91227
R00156a	4830/4831/4833/10201/29922
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R03660a	2193/10056/10667
R04882a	218/220/221/222
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R03858b	3032/10449/30
R00962a	7371/83549
R01137a	4830/4831/4833/10201/29922
R03113a	51109/57016/57665/80270/112724/145226
R01159a	3275/9836/10196/10419/10498/51409/51451/54496/ 55170/55798/56341/60487/114049/131965
R00514a	953/956/124583/377841
R00159a	953/956/124583/377841
R01859a	5095/5096
R02240a	1606/1607/1608/1609/8525/8526/8527/9162/160851
R03139a	26/314/8639
R02918a	8565/51067
R01071a	5631/5634
R00177a	4143/27430
R01070a	226/229/230
R04170a	1892/3030/1962
R03293a	5831/29920/65263
R03719a	30/3032/10449
R01706a	2194/55301
R01516a	669/5223/5224/441531
R00896a	2805/2806
R07599a	593/594
R00192a	191/23382
R01923a	1374/1375/1376/126129
R00762a	2203/8789
R04745b	3030/3028/3033/3295/1962
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R05586a	7994/8260/23522/24142/51100/51126/80339/114799/ 157570/253558
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R01549a	7371/83549
R01383b	7363/7364/7365/7366/7367/10720/10941/ 54490/54575/54576/54577/54578/54579/54600/54657/ 54658/54659/79799
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R00236a	55902/84532

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R07602a	593/594
R01682a	51380/2571/2572
R04968a	54995/2194
R00214a	4200/4199/10873
R01641b	7086/8277/84076
R01021b	1119/1120
R02327a	7371/83549
R00369b	189/64902
R01975b	1962/3028/3033/3295
R03435a	5330/5331/5332/5333/5335/5336/23236/51196/84812/ 89869/113026
R06520a	81537/130367/8611/8612/8613
R00026a	2629/57733
R00847a	2710/2712
R00710a	217/218/219/220/223/224/501
R04867a	6839/9739/9869/10919/64324/79723/79813/80854/ 84444
R00513a	7371/83549
R00842a	2819/23171
R05051a	8659/5625
R03045a	1892/1962/3030
R02222a	6319/79966
R02976a	8877/56848
R00258a	2875/84706
R00287b	5167/5169
R07055a	1544/1551/1557/1558/1559/1562/1571/1573/1576/ 1577/64816
R02331a	4830/4831/4833/10201/29922
R04748a	3030/3028/3033/3295/1962
R05982a	4121/10905/11253/57134
R04996a	218/220/221/222
R02164a	6389/6390/6391/6392
R07600a	593/594
R00443a	5430/5431/5432/5433/5434/5435/5436/5437/5438/ 5439/5440/5441/9533/10622/11128/25885/30834/ 51082/51728/55703/84172/84265/171568
R00768a	2673/9945
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List of Nodes	
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R01068a	226/229/230
R00200a	5313/5315
R01135a	159/122622
R00890a	55757/56886
R04743a	3030/3028/3033/3295/1962
R00943a	4522/25902/10797
R02241a	10554/10555/56894/56895/137964/253558
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R02320a	5313/5315
R03270a	5160/5161/5162
R01057a	5236/5238
R00830a	211/212
R00256b	2744/27165
R04751a	35/34/33/36/51/8310
R08107a	5281/84720
R01315a	5319/5320/5321/5322/8398/8399/26279/30814/50487/ 64600/81579/84647
R00516a	7371/83549
R01324a	48/50/441996
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R04891a	218/220/221/222
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R01220b	4522/25902
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R02466a	51380/2571/2572
R00489a	2571/2572
R03650a	833/79587
R02092a	953/956/124583/377841
R03004a	83594/5167/5169
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R03990a	34/33/51/8310
R03038a	16/57505
R03284a	6470/6472
R04866a	6839/9739/9869/10919/64324/79723/79813/80854/ 84444
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R00352a	R01325b
R01057a	R01641a
R01641a	R01057a
R00782a	R00893a
R04125b	R04560b
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R00342a	R01082b
R01123a	R01658a
R00238a	R04742a
R04952a	R04953a
R00707b	R00248a
R04301a	R04890a
R02396a	R03858a
R01015a	R01061a
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R00267a	R07761a
R03527a	R02109a
R01324a	R01899a
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R04746a	R03776a
R01364a	R01361a
R00924a	R03045a
R03045a	R00924a
R03858b	R04747a
R00257b	R00103a
R01015a	R01830a
R01830a	R01015a
R02978a	R02976a
R03940b	R00945c
R01360a	R00352a
R01067a	R01641a
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R00286a	R00292a
R01360a	R03778b
R01791a	R01786b

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R01827a	R01066a
R01364b	R01086b
R01011a	R01015a
R01063a	R01068a
R00431a	R00658a
R00658a	R00431a
R01011a	R01829a
R04208a	R04209a
R00115b	R00494a
R07411a	R07412a
R00351b	R03858b
R03858b	R00351b
R00704a	R03105a
R00410a	R00238b
R00214a	R00216b
R00216b	R00214a
R01092a	R01329a
R01329a	R01092a
R04745a	R04747b
R04747b	R04745a
R02976a	R06520a
R06520a	R02976a
R00941a	R00943b
R00943b	R00941a
R00238b	R02396a
R07602a	R00616a
R01315a	R02746a
R03858b	R04739a
R04739a	R03858b
R01218a	R02101b
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R04742b	R00351a
R00248a	R00708a
R00708a	R00248a

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List of Links	
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R00970a	R00966a
R04386a	R03778a
R00256c	R00248b
R00220a	R00703a
R00703a	R00220a
R00945c	R01220b
R01220b	R00945c
R01678a	R01093a
R00965a	R00966a
R00927a	R01177b
R01641a	R01015b
R02530a	R02528a
R01325a	R01900a
R01900a	R01325a
R01015a	R01641b
R01641b	R01056b
R00238b	R04747a
R03616a	R01036a
R00130a	R04747b
R02142a	R02719a
R04390a	R02313a
R01565a	R00611a
R03991a	R04737b
R02396a	R07953a
R00494a	R00239a
R00945a	R00830a
R01655a	R01220a
R00578b	R05578a
R01061a	R01068a
R00927a	R01859a
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R00405a	R00405b
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R03858b	R04386a

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List of Links	
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R00494a	R00248b
R01049b	R01072a
R01103a	R00802a
R01015b	R00842a
R00216b	R00268a
R01678a	R01095a
R00578b	R00708a
R02320a	R00344a
R00233a	R03858b
R00352b	R00742a
R01512b	R01662a
R02080a	R04301a
R02269a	R00905a
R00227a	R00235a
R00235a	R00227a
R00503a	R01678a
R01134a	R01127a
R01218a	R01655b
R01655b	R01218a
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R00355a	R00245a
R01975b	R00410a
R00355b	R00342b
R00610a	R00366a
R01070b	R01827a
R01827a	R01070b
R01959a	R01960a
R00631a	R00623a
R01357a	R01978a
R01855a	R01967a
R04313a	R03451a
R01061a	R01070b
R01070b	R01061a
R01135a	R01135b
R00233a	R01177a
R02371a	R00512a

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R00367a	R03654a
R00946b	R04560b
R04560b	R00946b
R00245a	R00256a
R00256a	R00245a
R00939b	R00943b
R01876a	R01549a
R01876a	R02097a
R00526a	R01954b
R02101b	R04125b
R04125b	R02101b
R00713b	R00432a
R00842a	R00851b
R00708b	R00248b
R00899a	R00945b
R01101a	R01104a
R02396a	R00238c
R00705a	R04747a
R03940b	R00942a
R02569a	R03991b
R03991b	R02569a
R01802a	R05916a
R00286a	R00286b
R00286b	R00286a
R00156a	R02018a
R03858b	R03778a
R04780a	R02740a
R00708a	R01251a
R01251a	R00708a
R01049a	R01072a
R01351a	R01347a
R00441a	R00335a
R03435a	R05800a
R01827a	R01015b
R02569a	R00352a
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R01870a	R01072a
R00926a	R04432a
R04432a	R00926a
R00330a	R00434a
R00216a	R00782a
R01626a	R04960a
R03284a	R00945d
R00257a	R07936a
R01177b	R00238c
R01135b	R01954a
R07618b	R03270a
R00289a	R00955a
R00955a	R00289a
R01221a	R00945a
R07603a	R07604a
R07604a	R07603a
R00955a	R00287a
R00942a	R00943b
R04125b	R04325b
R04325b	R04125b
R01900b	R01325c
R00238a	R02396a
R02396a	R00238a
R00102a	R02294a
R00122a	R00183a
R00945c	R00945d
R01021a	R01025a
R00344a	R00344b
R00344b	R00344a
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R01101a	R01092a
R01786b	R02109a

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List of Links	
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R02973a	R03018a
R00086a	R00127a
R00317a	R00711a
R03284a	R00369b
R02887a	R01521a
R01978a	R02082a
R04204a	R04203a
R01398b	R01954a
R00705a	R00235a
R01232a	R00426a
R00243b	R00707a
R00707a	R00243b
R03284a	R00945b
R00611a	R00366a
R02111a	R00955a
R02241b	R01799a
R00715a	R00716a
R00716a	R00715a
R00243b	R01168b
R01168b	R00243b
R07807a	R01104a
R00896a	R00893a
R05549a	R01101a
R02569a	R01624a
R00112a	R00102a
R00351b	R04747a
R02241a	R01799a
R02240a	R01799a
R00243b	R00253b
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R00344a	R00351a

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List of Links	
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R00352b	R00227a
R02101b	R00945d
R01061a	R01662a
R01662a	R01061a
R00942a	R00946b
R00946b	R00942a
R06907a	R06908a
R00157a	R00573a
R00762a	R01827a
R00782a	R03650a
R01967a	R01968a
R01968a	R01967a
R00352b	R00355b
R00765a	R01827a
R01827a	R00765a
R00517a	R00512a
R00707a	R01251a
R01251a	R00707a
R01954b	R01397b
R01095a	R02926a
R02926a	R01095a
R00963a	R02327a
R02327a	R00963a
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R00443a	R00439a
R00248a	R00268a
R00268a	R00248a
R02055a	R07376a
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R01383b	R01478a
R01177a	R04748a
R00352b	R00238a
R00941a	R04125b
R02661a	R04224a

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List of Links	
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R04535a	R04534a
R00352b	R01177a
R00883a	R00890a
R00511a	R02372a
R02372a	R00511a
R00351b	R00355b
R00355b	R00351b
R00238b	R03858a
R01248a	R03661a
R00243a	R00707a
R00707a	R00243a
R01066a	R01070b
R01070b	R01066a
R01939a	R03098a
R01220b	R01224a
R02017a	R01137a
R01364a	R01086c
R00405a	R02570a
R02570a	R00405a
R07764a	R07765b
R00119a	R02294a
R01001a	R03650a
R00014a	R03270b
R00355a	R00267b
R02569a	R03858b
R03858b	R02569a
R01056a	R01529a
R01529a	R01056a
R00292a	R02110a
R00258a	R00894b
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R00342a	R00214a
R04242a	R00943b
R01231a	R00332a
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R00494a	R00261a
R01061a	R01515a
R02569a	R03778b
R03778b	R02569a
R00848a	R01070a
R01070a	R00848a
R03026b	R01975b
R00251a	R00707a
R01248a	R01251a
R01251a	R01248a
R04386a	R00351a
R07952a	R07761a
R00257a	R00102a
R00022a	R01201a
R01221a	R00565a
R01769a	R02103a
R00235b	R03858a
R00258b	R00014a
R01001a	R01001b
R01001b	R01001a
R00287b	R00289a
R00289a	R00287b
R03004a	R03005a
R03005a	R03004a
R00084a	R03165a
R00488a	R01954c
R02740a	R03321a
R03321a	R02740a
R00851a	R02241b
R00214b	R00149b
R02287b	R04125b
R04125b	R02287b
R00220a	R00226a
R01061a	R01827a
R01827a	R01061a
R00235a	R03858b
R03858b	R00235a

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List of Links	
Link_From	Link_To
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R01655b	R01220b
R00883a	R00887a
R03435a	R01321a
R00214b	R00344b
R00351a	R01325a
R01641a	R01827a
R01827a	R01641a
R04779a	R01070a
R00245a	R00667a
R00667a	R00245a
R00439a	R02019a
R01718a	R01788a
R00238b	R00742a
R00936a	R04125b
R00942a	R02287b
R02287b	R00942a
R00351b	R03778a
R01104a	R03616a
R03616a	R01104a
R00233a	R00351a
R00236a	R04747a
R04956a	R04957a
R01092a	R02926a
R02926a	R01092a
R01154a	R04025a
R00286a	R00291a
R00291a	R00286a
R01811a	R02706a
R02706a	R01811a
R01954b	R01086a
R01123a	R02003a
R00707b	R00245a
R03430a	R03429a
R01234a	R01134a
R04386a	R01978a
R01321a	R07377a
R00945a	R01281a
R07602a	R07599a
R01790a	R01786b
R01070a	R01068a

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List of Links	
Link_From	Link_To
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R00432a	R00713a
R00713a	R00432a
R01220a	R01224a
R00894a	R00497a
R04125b	R07168a
R00258a	R02287a
R02287a	R00258a
R00238a	R00352a
R01232a	R00434a
R00158a	R00438a
R00438a	R00158a
R00243b	R00708a
R00708a	R00243b
R00256a	R00575a
R00178a	R01920b
R00243b	R00256a
R00256a	R00243b
R00214a	R00214b
R00214b	R00214a
R02016a	R02024a
R02024a	R02016a
R02383a	R02382a
R03394a	R03393a
R00694a	R01795a
R01207a	R01811a
R01811a	R01207a
R01878a	R02332a
R03776a	R03777a
R03777a	R03776a
R01103a	R01194a
R00216a	R01082b
R00352b	R00238c
R01221a	R00366a
R02235a	R02236a
R02236a	R02235a
R00961a	R01132a
R00181a	R01130a
R01049a	R01071a
R01071a	R01049a
R00945c	R07168a

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List of Links	
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R01786a	R02740a
R03916a	R00253a
R00243a	R00267b
R00833b	R02570a
R02570a	R00833b
R00317a	R00710a
R02287b	R00943b
R01066a	R01015b
R00355a	R00709a
R00709a	R00355a
R02484b	R02099a
R00367a	R00369b
R00369b	R00367a
R02687a	R01348a
R02396a	R01978a
R00927a	R00742a
R00369b	R00497b
R00235a	R00710a
R00710a	R00235a
R02757a	R02241a
R03425a	R04125a
R00256b	R00894b
R00351a	R03991b
R03991b	R00351a
R00708b	R00256a
R02236a	R00937a
R00443a	R00573a
R00248a	R00709a
R00709a	R00248a
R03990a	R04740a
R03875a	R04866a
R00267a	R07763b
R07763b	R00267a
R00727a	R02164a
R02164a	R00727a
R00927a	R00238a
R01360a	R00238a
R06908a	R00432a
R00927a	R03858a
R00969a	R00573a

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List of Links	
Link_From	Link_To
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R03035a	R00130a
R01682a	R03720a
R03916a	R00707a
R00253a	R02287a
R02287a	R00253a
R00214b	R00220a
R03778b	R00227a
R00616a	R00618a
R00618a	R00616a
R02569a	R04747a
R07762b	R00132a
R00578b	R00248a
R01201a	R02058a
R02058a	R01201a
R00286b	R01383a
R00782a	R00894b
R00235b	R02396a
R00713b	R00727a
R00575a	R01398a
R00426a	R01229a
R01364a	R02164a
R01360a	R01624a
R00899a	R00894b
R01166c	R01167a
R00943b	R04560b
R04560b	R00943b
R00236a	R03991a
R00214b	R00268a
R01678a	R01329a
R04951a	R00565a
R00352b	R00342b
R01655a	R01655b
R01655b	R01655a
R02487a	R03026d
R01177b	R03778b
R03778b	R01177b
R00432a	R00727a
R00727a	R00432a
R00963a	R01880a
R01880a	R00963a

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Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00248b	R00239a
R01132a	R01769a
R01662a	R01515a
R01021b	R01890a
R00512a	R00511a
R01220a	R01220b
R01220b	R01220a
R02765a	R00833a
R01234a	R01227a
R03646a	R00557a
R00026a	R01520a
R00026a	R01600a
R00494a	R00894b
R01015a	R01066a
R01066a	R01015a
R02736a	R02035a
R00287b	R00959a
R00214b	R00267b
R04745b	R04746a
R04746a	R04745b
R00214b	R00709a
R01718a	R01786b
R01231a	R01227a
R06518a	R02976a
R04890a	R04889a
R01364b	R01361a
R02239a	R02240a
R02240a	R02239a
R00802a	R03920a
R00924a	R03045b
R03045b	R00924a
R02142a	R02297a
R02297a	R02142a
R01135b	R01954b
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R04173a	R00582a
R00245a	R05578a
R01350a	R01347a
R01602a	R04783a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00344b	R00726a
R00216b	R00132a
R02288a	R02287a
R02396a	R00742a
R00216a	R00014b
R00670a	R01151a
R03346a	R03347a
R03347a	R03346a
R00713b	R00405b
R01565a	R00610a
R00438a	R02018a
R05351a	R03778b
R03199a	R05640a
R00707a	R00708a
R00708a	R00707a
R03858b	R03991b
R03991b	R03858b
R04959a	R07766a
R05555a	R06223a
R05969a	R05970a
R00959a	R01788a
R01788a	R00959a
R04953a	R04954a
R04954a	R04953a
R00375a	R01138a
R01138a	R00375a
R01004a	R01009a
R07759a	R00119a
R02114a	R02746a
R01867a	R01993a
R01993a	R01867a
R02383b	R04301a
R01054a	R01049a
R00734a	R00736a
R04739b	R04740a
R04740a	R04739b
R03103a	R01939a
R00352b	R03858a
R04188a	R03869a

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List of Links	
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R00840a	R01185b
R00257b	R00137a
R00946a	R00177a
R01626a	R04952a
R00720a	R01130a
R00485b	R00489a
R00485b	R05577a
R02488a	R03026a
R07396a	R00177a
R00342b	R00216b
R01858a	R01855a
R01960a	R04171a
R05984a	R05985a
R07952a	R07759a
R00235b	R00351a
R00936a	R00946b
R02872a	R02873a
R00936a	R00943b
R00369a	R00006a
R01567a	R02094a
R00178a	R00709a
R00156a	R00158a
R00158a	R00156a
R01626a	R04726a
R01290b	R01001c
R00437a	R00440a
R00440a	R00437a
R00355b	R00431a
R00431a	R00355b
R01655a	R04326a
R04742b	R00227a
R02294a	R01269a
R00945b	R00830a
R00248a	R00253a
R00253a	R00248a
R00719a	R00961a
R05555a	R02061a
R03295a	R04444a
R00575b	R01398a
R00233a	R04747a

(Supplementary Data 2) contd.,...

List of Links	
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R00893a	R02466a
R00256b	R00248b
R01187a	R01194a
R00801a	R00299a
R00235b	R00238c
R00945a	R03662a
R01063a	R01067a
R07762b	R00709a
R00220a	R01281a
R01001b	R01001c
R01520a	R01602a
R01602a	R01520a
R00709a	R03534a
R00485b	R00248b
R00156a	R00443a
R00443a	R00156a
R00939a	R04125b
R00442a	R00443a
R00443a	R00442a
R07807a	R02926a
R00590a	R02435a
R01520a	R01600a
R01600a	R01520a
R00585a	R00590a
R07600a	R07603a
R00245a	R00248a
R00248a	R00245a
R02382a	R02695a
R00943a	R00941a
R00236a	R01177a
R00927a	R00351a
R00253a	R00355a
R00355a	R00253a
R01201a	R01201b
R01201b	R01201a
R05549a	R01194a
R00235b	R00742a
R00526a	R01954a
R00707a	R00708b
R00708b	R00707a

(Supplementary Data 2) contd.....

List of Links	
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R04326a	R00939b
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R00157a	R00156a
R01364a	R01086b
R00286a	R00287b
R01271a	R01269a
R00235b	R01177a
R04242a	R04325b
R07618a	R07602a
R00227a	R00710a
R00258a	R00707a
R00707a	R00258a
R00432a	R02164a
R02164a	R00432a
R02109a	R01786a
R04747a	R04747b
R04747b	R04747a
R01398a	R01954c
R01768a	R01863a
R07064a	R03626a
R00342b	R01082b
R00768b	R01827a
R01827a	R00768b
R01001a	R04230a
R00707b	R00243b
R00187a	R00122a
R04326a	R02287b
R01214b	R01214c
R01214c	R01214b
R00248a	R00707a
R00707a	R00248a
R00705a	R03991b
R00513a	R00512a
R01070a	R01067a
R00248a	R05578a
R01083a	R00183a
R00257a	R00112a
R01086c	R00551a
R00256a	R00256b
R00256b	R00256a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R03036a	R03035a
R04747a	R04745a
R04737b	R04738a
R04738a	R04737b
R00351b	R02569a
R02569a	R00351b
R01383a	R01384a
R03181a	R01364a
R01127a	R01132a
R01132a	R01127a
R01787a	R01786a
R00888a	R05692a
R00028a	R01788a
R00220a	R03105a
R04543a	R04544a
R04544a	R04543a
R04125a	R00149a
R01641b	R01051a
R05351a	R02569a
R03425a	R00709a
R07936a	R07759a
R04951a	R00367a
R00238b	R04747b
R03778b	R07953a
R07953a	R03778b
R00214a	R01082b
R02300a	R02301a
R02301a	R02300a
R01579b	R00248b
R01001a	R01001c
R00367a	R00945a
R00945a	R00367a
R01251a	R03661a
R00130a	R01177b
R01135b	R01083a
R01082a	R01086c
R01086c	R01082a
R02396a	R03778b
R03778b	R02396a
R02055a	R02051a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R02557a	R02088a
R05048a	R04639a
R00711a	R00746a
R00746a	R00711a
R03451a	R03284a
R00840b	R01185a
R00342a	R00344a
R00344a	R00342a
R00135a	R01251a
R07758a	R04742b
R00430a	R00328a
R00414a	R02705a
R01103a	R01329a
R01157a	R01154a
R01641a	R01056b
R05989a	R05990a
R05990a	R05989a
R00026a	R04783a
R00344a	R00351b
R00351b	R00344a
R00235a	R00351a
R00342a	R00342b
R00342b	R00342a
R00875a	R00867a
R05549a	R01329a
R00137a	R07936a
R00715a	R00716b
R00716b	R00715a
R03425a	R00267b
R03916a	R00243a
R03026c	R03026d
R03026d	R03026c
R00899a	R03654a
R04780a	R03321a
R01954a	R01086c
R00924a	R01859a
R00256b	R05578a
R00253b	R03652a
R04125a	R02101b
R01063b	R01068a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R00185a	R01560a
R00220a	R00945a
R00945a	R00220a
R00904a	R00908a
R00440a	R00570a
R00570a	R00440a
R03050a	R00616a
R01177b	R04748a
R04748a	R01177b
R00248b	R00708a
R00708a	R00248b
R01104a	R02926a
R02926a	R01104a
R02024a	R02326a
R00716a	R02313a
R02313a	R00716a
R03778b	R04386a
R04386a	R03778b
R00355a	R00894a
R03189a	R02287b
R00086a	R00200b
R00200b	R00086a
R00248a	R00261a
R00578a	R01954c
R01954c	R00578a
R02058b	R01201a
R00801a	R00866a
R04962a	R04963a
R00526a	R01954c
R00291a	R00286b
R03189a	R00939b
R00289a	R00292a
R00833a	R00833b
R00833b	R00833a
R04737a	R04738a
R04738a	R04737a
R02824a	R01262a
R00678a	R03936a
R00369b	R03654a
R01954c	R01397b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R07807a	R01194a
R01819a	R02740a
R02740a	R01819a
R00945c	R01218a
R01218a	R00945c
R00935a	R00926a
R03479a	R05202a
R01015b	R01829a
R05917a	R06623a
R00485a	R01397b
R04378a	R04559a
R04559a	R04378a
R01252a	R03295a
R00214a	R00704a
R00704a	R00214a
R03316a	R07599a
R01086c	R03646a
R03646a	R01086c
R01975a	R03026d
R03026d	R01975a
R00367a	R00610a
R00610a	R00367a
R01177a	R01177b
R01177b	R01177a
R00351a	R00362a
R00362a	R00351a
R00233a	R03991b
R01878a	R00968a
R00257a	R00103a
R06128a	R06258a
R00711a	R00754a
R00754a	R00711a
R00899a	R00945a
R01171a	R03026b
R00200b	R00089a
R00310a	R02480a
R04386a	R01624a
R01360a	R03778a
R01105a	R01095a
R02536a	R02536b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R07604a	R00621a
R00258a	R00709a
R00709a	R00258a
R00708b	R05578a
R04203a	R00927a
R01579b	R00253b
R02874a	R03199a
R02236a	R00939a
R01876a	R02484b
R02484b	R01876a
R01961a	R02058a
R00611a	R00945a
R04144a	R04325a
R00235b	R00236a
R01117a	R01804a
R01804a	R01117a
R02530a	R01736a
R00715b	R02313a
R01579b	R00243b
R02100a	R02101a
R00243a	R00894a
R00485b	R00355b
R04560b	R04125a
R00355a	R00894b
R00621a	R00149b
R07618b	R07604a
R01121a	R01123a
R00214a	R00344b
R00200a	R00216a
R00715b	R00716a
R00716a	R00715b
R00941a	R00945c
R00939b	R02235a
R02235a	R00939b
R00351b	R00227a
R00847a	R00848a
R01655b	R00941a
R00969a	R00443a
R01360a	R02396a
R00768a	R02059a

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List of Links	
Link_From	Link_To
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R01251a	R00708b
R02003a	R00702a
R02571a	R05579a
R00022a	R01207a
R03425a	R00149b
R00248a	R00621a
R01676a	R02297a
R07762a	R07763a
R01051a	R01056a
R01056a	R01051a
R00582a	R00585a
R00575a	R01397a
R00268a	R00709a
R00709a	R00268a
R07762b	R00149b
R01648a	R01989a
R00352a	R00352b
R00352b	R00352a
R00235a	R00362a
R00362a	R00235a
R00962a	R00512a
R00235a	R00351b
R00351b	R00235a
R00216b	R00014b
R00765a	R00768b
R00768b	R00765a
R01360a	R00351b
R00238b	R03858b
R00707b	R00243a
R00969a	R00571a
R00238b	R04742b
R00494a	R00253a
R04125a	R00253b
R04560a	R01127a
R00214a	R00703a
R00703a	R00214a
R02736b	R07759a
R07759a	R02736b
R00200a	R00344b

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R02706a	R02705a
R01923a	R01281a
R00899a	R03425a
R00351b	R03778b
R03778b	R00351b
R00578a	R01397b
R03284a	R00367a
R00440a	R00442a
R00442a	R00440a
R00899a	R01001a
R01786a	R01786b
R01786b	R01786a
R03321a	R02736a
R03991b	R04742a
R02529a	R02527a
R01954b	R05577a
R01130a	R02719a
R00963a	R01876a
R03973a	R03208a
R05051a	R05052a
R00375a	R01137a
R01137a	R00375a
R02320a	R00226a
R01655b	R04560b
R04560b	R01655b
R00149b	R01397a
R00705a	R00238a
R01769a	R02107a
R00342a	R00351b
R00351b	R00342a
R00243b	R00258a
R00258a	R00243b
R00435a	R00438a
R00438a	R00435a
R03425a	R00268a
R05351a	R00742a
R02320a	R00006a
R03433a	R03430a
R02327a	R00966a
R03170a	R04204a

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Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R02059a	R00768b
R01187a	R01184a
R00214b	R00216a
R00216a	R00214b
R00891a	R03650a
R00236a	R00742a
R03858b	R04742b
R04742b	R03858b
R01063a	R01070a
R01070a	R01063a
R00253a	R00575b
R07765b	R03370a
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R00127a	R00181a
R01830a	R01529b
R00610a	R00565a
R02824a	R00494a
R00238a	R03991b
R03991b	R00238a
R00734a	R03539a
R00894b	R00497a
R00352b	R00344a
R00351b	R04747b
R04747b	R00351b
R00367a	R00830a
R04125a	R01220b
R00014b	R04673a
R05983a	R05984a
R01529b	R01056a
R02313a	R03102a
R05351a	R00238a
R00216a	R03105a
R04386a	R01177a
R00707b	R05578a
R00619a	R07603a
R04513a	R04545a
R04545a	R04513a
R00715a	R02313a
R02313a	R00715a
R00569a	R02024a

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List of Links	
Link_From	Link_To
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R00782a	R07460a
R00371a	R00565a
R00362a	R00431a
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R07762b	R07763a
R03050a	R00621a
R00945d	R00585a
R00124a	R00435a
R00435a	R00124a
R01360a	R02569a
R01063a	R01015b
R01975b	R00238a
R00842a	R01013a
R03283a	R02397a
R00253a	R00256b
R00256b	R00253a
R02111a	R00289a
R00699a	R02613a
R01933a	R02487a
R00942a	R04125b
R04125b	R00942a
R01512a	R01513a
R01513a	R01512a
R03940b	R00946b
R00899a	R00497b
R00943b	R01655b
R01049a	R01056b
R02199a	R07603a
R00946b	R04325b
R04325b	R00946b
R01364b	R01086c
R01015a	R01067a
R00235a	R04386a
R04386a	R00235a
R00233a	R02396a
R04445a	R05051a
R02301a	R01655b
R00238b	R01978a
R04970a	R01706a
R04742b	R04747a

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List of Links	
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R02320a	R00014b
R01151a	R01154a
R05351a	R02396a
R01655b	R01220a
R00115b	R03522a
R00351b	R01177a
R01103a	R01104a
R03991a	R04737a
R03026c	R01975b
R00181a	R01168b
R00359a	R00726a
R04748a	R04749a
R04749a	R04748a
R00658a	R00726a
R00726a	R00658a
R04867a	R04313a
R04742b	R04754a
R00258b	R00344b
R01281a	R02978a
R03050a	R07603a
R01786b	R02740a
R02740a	R01786b
R01398b	R01954c
R01954c	R01398b
R00935a	R01859a
R00578b	R00243b
R00344b	R00352a
R01579b	R01168b
R00713b	R00405a
R01324a	R00352b
R00405a	R00727a
R00727a	R00405a
R00694a	R01378a
R01378a	R00694a
R01878a	R01876a
R00130a	R03991b
R00342a	R00352a
R03055a	R04666a

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R00442a	R00439a
R00235b	R00352a
R02569a	R00238c
R00610a	R00830a
R01230a	R00332a
R01068a	R00762a
R01041a	R02568a
R02919a	R04880a
R00335a	R00430a
R00430a	R00335a
R03428a	R03430a
R03430a	R03428a
R00355a	R00707a
R00707a	R00355a
R00256a	R00257a
R00565b	R01086c
R01086c	R00565b
R00149a	R01398a
R01130a	R01126a
R00511a	R01548a
R01548a	R00511a
R00485b	R00149a
R00964a	R00158a
R00342b	R00216a
R02287a	R00239a
R00156a	R00571a
R00369a	R03105a
R00115b	R01262a
R05351a	R04742a
R02914a	R02288a
R00238b	R04742a
R00187a	R00124a
R07952a	R07763b
R00214a	R00014b
R01167a	R02155a
R02287b	R04560b
R04560b	R02287b

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List of Links	
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R00708b	R00243b
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R00710a	R00235b
R02331a	R02100a
R00927a	R00351b
R01220b	R00945d
R03991b	R00227a
R00939b	R00942a
R00942a	R00939b
R00848a	R06872a
R03435a	R03433a
R01528a	R01529a
R00435a	R00441a
R00441a	R00435a
R00292a	R02109a
R04753a	R04754a
R04754a	R04753a
R00177a	R00178a
R01218a	R02300a
R00200a	R00214a
R01015a	R01070b
R01070b	R01015a
R01516a	R01662a
R01662a	R01516a
R00707b	R00894a
R01054a	R01049b
R01626a	R04968a
R04568a	R04967a
R04967a	R04568a
R00344a	R00362a
R00362a	R00344a
R01224a	R00946b
R00371a	R00830a
R01086a	R00565b
R04742b	R03858a
R00216b	R00258b
R01185a	R01184a
R05351a	R00351b
R02569a	R04747b
R04747b	R02569a

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List of Links	
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R00703a	R00216a
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R04386a	R01626a
R01230a	R01227a
R02396a	R00351a
R01248a	R00708b
R00238a	R03778a
R00585a	R01290a
R00578b	R02287a
R00371a	R00945a
R00945a	R00371a
R01166b	R01168b
R04779a	R01070b
R00256a	R00708a
R00708a	R00256a
R01185a	R01185b
R01185b	R01185a
R01061a	R01830a
R01830a	R01061a
R00362a	R00710a
R00710a	R00362a
R00112a	R00119a
R00497a	R03915a
R00256a	R00894b
R04951a	R00945a
R03321a	R04779a
R03778b	R03991b
R03991b	R03778b
R00720a	R01132a
R00190a	R02557a
R02557a	R00190a
R02110a	R02108a
R00190a	R00181a
R07766a	R07767a
R04326a	R00946b
R00940a	R00946b
R00872a	R00875a
R02003a	R05555a
R01986a	R01989a
R03719a	R03718a

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List of Links	
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R00257b	R00104a
R03920a	R02732a
R01827a	R01830a
R01830a	R01827a
R03916a	R05578a
R00708a	R00261a
R01867a	R01870a
R01870a	R01867a
R01676a	R02103a
R00833b	R02765b
R02765b	R00833b
R02313a	R03103a
R00253a	R00708a
R00708a	R00253a
R02088a	R02556a
R02556a	R02088a
R02869a	R02869b
R02869b	R02869a
R00253b	R00768a
R03430a	R03427a
R00248a	R03534a
R00216a	R00344a
R00344a	R00216a
R00955a	R00959a
R00959a	R00955a
R00375a	R00376a
R00376a	R00375a
R01092a	R01093a
R01093a	R01092a
R02660a	R04224a
R03293a	R03295a
R03295a	R03293a
R00945b	R03654a
R00119a	R01271a
R04754a	R04744a
R03778b	R04743b
R04743b	R03778b
R00435a	R00437a
R00437a	R00435a

(Supplementary Data 2) contd.,.,.,.

List of Links	
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R01086b	R01954c
R01954c	R01086b
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R03321a	R02739a
R01103a	R01093a
R00187a	R00127a
R03522a	R03916a
R00235b	R03858b
R01061a	R01015b
R01005a	R01009a
R00899a	R00565a
R02571a	R02488a
R00946b	R04125a
R00439a	R00441a
R00441a	R00439a
R01063a	R01066a
R01066a	R01063a
R00238b	R07953a
R01090a	R07601a
R00351b	R03991b
R03991b	R00351b
R02297a	R01768a
R01234a	R00332a
R00156a	R00155a
R05351a	R04386a
R00945b	R03662a
R00557a	R01954a
R01070a	R01641b
R01857a	R02090a
R02090a	R01857a
R02239a	R02687a
R01392a	R01394a
R03050a	R07599a
R01528a	R00709a
R00362a	R01325a
R01325a	R00362a
R00611a	R00369b
R04326a	R00943b
R07937a	R01177b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00441a	R00442a
R00442a	R00441a
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R00940a	R00945c
R00494a	R02287a
R04748a	R04748b
R04748b	R04748a
R00905a	R00905b
R00905b	R00905a
R05351a	R04747a
R01036a	R00847a
R00181a	R00149b
R07761a	R02222a
R02739a	R02740a
R02740a	R02739a
R00801a	R00867a
R00941a	R04560b
R04560b	R00941a
R00939b	R04125b
R04125b	R00939b
R01641b	R01056a
R01057a	R01049b
R03599a	R00369a
R00939b	R04125a
R00426a	R00332a
R01678a	R02109a
R00497b	R03522a
R00216b	R00709a
R03189a	R04125b
R01678a	R01787a
R00251a	R00894a
R00621a	R03316a
R03316a	R00621a
R03284a	R00371a
R00899a	R04230a
R00214a	R00226a
R00355b	R00578a
R00578a	R00355b
R00243a	R03534a

(Supplementary Data 2) contd.....

List of Links	
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R04435a	R02706a
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R02396a	R03778a
R00569a	R00440a
R01521a	R01600a
R01600a	R01521a
R01127a	R01126a
R00238b	R00238c
R00238c	R00238b
R03270a	R02569a
R00926a	R01354a
R01354a	R00926a
R00243b	R00239a
R00405a	R02164a
R02164a	R00405a
R00511a	R02371a
R02371a	R00511a
R07937a	R04747b
R01011a	R01070a
R01093a	R01329a
R01329a	R01093a
R00332a	R00439a
R00439a	R00332a
R00352a	R01177b
R01177b	R00352a
R00026a	R01521a
R01231b	R01229a
R00216a	R00014a
R01795a	R00734a
R00149b	R01398a
R01207a	R02706a
R02706a	R01207a
R00342b	R01082a
R03991b	R03778a
R00332a	R02019a
R01788a	R02740a
R02740a	R01788a
R01066a	R01067a

(Supplementary Data 2) contd.,...

List of Links	
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R01752a	R01036a
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R00936a	R04560b
R04209a	R04591a
R04591a	R04209a
R01063b	R01641b
R01015a	R01068a
R01231a	R01134a
R00658a	R01518a
R01518a	R00658a
R00945b	R00565a
R01271a	R02323a
R03634a	R01103a
R00214b	R00344a
R00945c	R04560b
R04560b	R00945c
R01227a	R02147a
R00251a	R00259a
R03342a	R02521a
R00497a	R00094a
R00610a	R00371a
R00274a	R00494a
R03270a	R00616a
R01229a	R01676a
R01819a	R03920a
R03920a	R01819a
R04386a	R04747a
R01176a	R01177a
R00267b	R01899a
R01104a	R00847a
R01975a	R01978a
R02109a	R02108a
R00181a	R00256a
R00942a	R04560b
R04560b	R00942a
R01001a	R00894b
R00287b	R00289b
R00289b	R00287b
R00376a	R00377a

(Supplementary Data 2) contd.,...

List of Links	
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R01063b	R01066a
R00352b	R03778b
R05985a	R05988a
R00866a	R02568a
R00927a	R01624a
R00438a	R00439a
R00439a	R00438a
R00966a	R00963a
R01360a	R01357a
R00351b	R01325a
R01325a	R00351b
R00236a	R01177b
R01177b	R00236a
R01220b	R04125b
R04125b	R01220b
R05972a	R05973a
R00610a	R03425a
R01054a	R01051a
R00430a	R00439a
R00439a	R00430a
R00220a	R00006a
R00257a	R00137a
R01658a	R02003a
R00514a	R00511a
R00238a	R00238b
R00238b	R00238a
R01137a	R01547a
R01547a	R01137a
R04970a	R07762b
R03991b	R04742b
R04742b	R03991b
R00355b	R01954b
R01954b	R00355b
R03778a	R04743b
R01900b	R01325a
R00961a	R01130a
R00707b	R00256a
R00945c	R04125b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R03599a	R03038a
R00485b	R00256a
R04742b	R01978a
R00716b	R02313a
R00435a	R00086a
R01641a	R01830a
R01830a	R01641a
R00258b	R00369a
R00369a	R00258b
R00705a	R07953a
R00351a	R00352b
R00352b	R00351a
R00235b	R01177b
R00352b	R00236a
R00178a	R00132a
R07764a	R07765a
R02164a	R00405b
R01015a	R01015b
R01015b	R01015a
R01253a	R00707a
R01063a	R01641a
R01641a	R01063a
R01795a	R02078a
R00707b	R00258a
R00768a	R00765a
R04742b	R01177a
R01664a	R01666a
R01666a	R01664a
R00551a	R00670a
R01787a	R02109a
R02109a	R01787a
R00238a	R02569a
R02569a	R00238a
R00945b	R01290a
R00178a	R01920a
R01229a	R01969a
R01969a	R01229a
R00287b	R00955a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R07758a	R00149b
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R01049b	R01071a
R01827a	R01829a
R05351a	R07953a
R00177a	R04858a
R00191a	R00190a
R00256b	R00248a
R04742a	R04741b
R00704a	R00226a
R00178a	R00268a
R01515a	R01518a
R00936a	R00939b
R00939b	R00936a
R02236a	R00936a
R04954a	R04956a
R04956a	R04954a
R00286a	R00289b
R00289b	R00286a
R05351a	R03991b
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R00258a	R00248a
R03991b	R04737b
R04737b	R03991b
R00439a	R00328a
R00258a	R00708a
R00708a	R00258a
R04386a	R07953a
R04125b	R00945d
R07833a	R01975a
R00708a	R00894b
R00851a	R02241a
R01132a	R01135a
R00299a	R00840b
R03294a	R04444a
R01105a	R01329a
R00112a	R07952a

(Supplementary Data 2) contd.,...

List of Links	
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R04967a	R04968a
R01063b	R01827a
R03778b	R01624a
R00220a	R00344a
R00344a	R00220a
R00332a	R01229a
R01229a	R00332a
R01655b	R02302a
R07763b	R00119a
R00426a	R01134a
R04747b	R03858a
R00565a	R01883a
R02396a	R03991a
R01786b	R02739a
R02739a	R01786b
R02269b	R00905b
R01121a	R02003a
R00899a	R07460a
R00243a	R00621a
R03434a	R03435a
R02101b	R02236a
R02236a	R02101b
R03973a	R03953a
R00927a	R04747a
R04753a	R04742b
R00939b	R02101b
R02101b	R00939b
R00782a	R01001b
R01137a	R01138a
R01138a	R01137a
R04742b	R03991a
R00238a	R03778b
R03778b	R00238a
R07599a	R07600a
R07600a	R07599a
R00708b	R00259a
R00177a	R00178b
R01082a	R02164a

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List of Links	
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R00704a	R00344a
R01082a	R00214b
R07618a	R03270b
R00891a	R04230a
R03005a	R03346a
R03346a	R03005a
R04812a	R03719a
R00238a	R03858b
R03858b	R00238a
R00936a	R00942a
R00251a	R00258a
R00526b	R00943a
R01175a	R03026b
R00238a	R01177b
R01177b	R00238a
R00431a	R00342b
R03222a	R00310a
R00719a	R00722a
R00722a	R00719a
R00115b	R00112a
R00028a	R01786a
R00662a	R00158a
R00130a	R04742b
R00355a	R00259a
R01103a	R00801a
R04170a	R03856a
R01676a	R01768a
R03165a	R03197a
R02287a	R00894b
R01054a	R01641a
R04743b	R04744a
R04744a	R04743b
R01090b	R03657a
R00235a	R01978a
R00708b	R00239a
R05066a	R03871a
R01579b	R00149b
R00369b	R00465a
R00465a	R00369b

(Supplementary Data 2) contd.....

List of Links	
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R04893a	R04891a
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R00127a	R00124a
R00352b	R00342a
R03316a	R07603a
R00565b	R00551a
R01066a	R01068a
R01876a	R00970a
R00715a	R00715b
R00715b	R00715a
R03026d	R01975b
R04742b	R07953a
R07953a	R04742b
R00369b	R00830a
R01105a	R01104a
R00094a	R02824a
R02824a	R00094a
R00945b	R03425a
R00352b	R04747b
R00256a	R00261a
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R00431a	R00352a
R00235b	R03991b
R00494a	R00243b
R00369a	R00014b
R01130a	R01135a
R01876a	R00967a
R03634a	R02926a
R03858b	R00227a
R07600a	R00621a
R00268a	R03534a
R02142a	R01768a
R01135b	R05577a
R00945a	R03425a
R00511a	R00516a
R00516a	R00511a
R00927a	R00236a
R00489a	R00905b
R04242a	R00945c
R03316a	R00014a

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List of Links	
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R00678a	R01959b
R00181a	R01132a
R00848a	R01015a
R01015a	R00848a
R04942a	R04930a
R00251a	R00248b
R04882a	R04883a
R04883a	R04882a
R03940b	R04560b
R04560b	R03940b
R00115a	R02824a
R02824a	R00115a
R00159a	R00158a
R02739a	R02736a
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R01516a	R01512b
R00899a	R01001b
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R01954c	R01954a
R03778b	R04743a
R04743a	R03778b
R00945a	R00891a
R02017a	R01547a
R01940a	R02571a
R03856a	R03857a
R03857a	R03856a
R00526a	R01135b
R03858b	R04742a
R04355a	R04533a
R01253a	R00708b
R00765a	R02058b
R07765a	R03370a
R00342a	R00351a
R00330a	R00426a
R01135b	R00489a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R01787a	R01602a
R03916a	R04951a
R01827a	R01068a
R00710a	R00711a
R00711a	R00710a
R00937a	R00943b
R03302a	R03304a
R00351b	R03991a
R00937a	R00946b
R07602a	R04097a
R01579b	R01221a
R02535a	R02533a
R00765a	R01067a
R02720a	R01231a
R01954c	R00489a
R00488a	R05577a
R01278a	R01281a
R01880a	R00158a
R01321a	R01315a
R01220b	R04326a
R01602a	R01786a
R02396a	R04742b
R04742b	R02396a
R00367a	R00611a
R00611a	R00367a
R02235a	R00936a
R01166c	R00905b
R00256c	R00149b
R00707b	R00894b
R01317a	R07859a
R00328a	R01134a
R00335a	R00439a
R02135a	R00619a
R01086c	R01954c
R01954c	R01086c
R01786a	R00959a
R01795a	R02918a
R00937a	R02287b
R00945d	R00590a
R00238a	R01975a

(Supplementary Data 2) contd.,...

List of Links	
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R00238b	R01177b
R00848a	R01013a
R00945b	R03718a
R01000a	R01001b
R01036a	R02568a
R02568a	R01036a
R02108a	R01791a
R00248b	R00149b
R01600a	R03321a
R03321a	R01600a
R01023a	R01026a
R01026a	R01023a
R00571a	R00570a
R04780a	R01819a
R02484a	R00966a
R04963a	R04964a
R02527a	R02530a
R02530a	R02527a
R01004a	R05969a
R00955a	R00292a
R01177b	R00742a
R01966a	R01961a
R01095a	R01104a
R01104a	R01095a
R00253a	R00575a
R00708b	R00261a
R01706a	R01280a
R00344b	R00351b
R00711a	R00235b
R01230a	R01134a
R01678a	R01092a
R00351a	R03778b
R03778b	R00351a
R01324a	R01325a
R01325a	R01324a
R01071a	R01870a
R01870a	R01071a
R04742b	R04747b
R04747b	R04742b
R03646a	R00558a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00717a	R00369b
R00891a	R01001a
R00233a	R01978a
R00351b	R01324a
R01324a	R00351b
R00236a	R03858a
R00243b	R00253a
R00253a	R00243b
R00927a	R04432a
R00235a	R04747a
R00256c	R01168b
R01248a	R01253a
R01253a	R01248a
R00233a	R04386a
R04386a	R00233a
R00710a	R00746a
R00746a	R00710a
R05196a	R00028a
R02090a	R01858a
R01378a	R01372a
R03174a	R03170a
R07762b	R00268a
R00526a	R05577a
R02824a	R03522a
R01061a	R01063b
R01063b	R01061a
R01072a	R04144a
R01232a	R00330a
R00565b	R00558a
R00256a	R03652a
R01083b	R01083a
R00359a	R00342a
R00703a	R00226a
R01070a	R01641a
R01641a	R01070a
R00104a	R00119a
R01177b	R07953a
R07953a	R01177b
R01252a	R03294a
R05919a	R05920a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R03916a	R00261a
R00200a	R00258b
R00669a	R01398b
R00927a	R02569a
R02237a	R02101b
R05692a	R01951a
R02302a	R02287b
R00578b	R00243a
R04560b	R01655a
R02250a	R02240a
R00939a	R00945c
R00267b	R01900b
R01663a	R02101a
R00945c	R04325b
R04325b	R00945c
R04326a	R00945c
R00344a	R03105a
R00963a	R02097a
R02097a	R00963a
R00243a	R00239a
R03189a	R04125a
R01600a	R01602a
R01602a	R01600a
R00344a	R00352a
R05920a	R05921a
R01890a	R01321a
R01063b	R01641a
R01641b	R01049b
R00243a	R00253a
R00253a	R00243a
R03527a	R01788a
R00727a	R02570a
R02570a	R00727a
R03858b	R01624a
R00220a	R03662a
R00945d	R01290a
R00707a	R00261a
R00291a	R00955a
R00955a	R00291a
R02085a	R01360a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R00248b	R00248a
R00939a	R00939b
R00939b	R00939a
R00028a	R02109a
R00258b	R00704a
R00704a	R00258b
R04325a	R04463a
R00251a	R00253a
R00135a	R01253a
R00235b	R04747a
R04751a	R04749a
R02396a	R00227a
R02155a	R04674a
R01105a	R01194a
R03916a	R00245a
R02250a	R01347a
R03139a	R00904a
R00274a	R01262a
R04882a	R04887a
R00485b	R01135b
R01954c	R05577a
R02533a	R02920a
R00355b	R01397b
R01177b	R02569a
R02569a	R01177b
R00707b	R00708a
R00708a	R00707b
R00565b	R01883a
R00742a	R04386a
R04386a	R00742a
R00253b	R00578b
R00351a	R04747b
R04747b	R00351a
R02748a	R01863a
R04125a	R00256a
R00256a	R00894a
R00115a	R00494a
R01171a	R01177a
R00351b	R01624a
R00243b	R00149a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R00178a	R00267b
R00708a	R05578a
R02055a	R02056a
R01086b	R01954b
R01954b	R01086b
R01818a	R01819a
R01819a	R01818a
R03045a	R03157a
R03157a	R03045a
R00565a	R00565b
R00610a	R00945d
R00488a	R00489a
R01736a	R00704a
R00344a	R00782a
R00112a	R00267a
R00494a	R00894a
R00351b	R00362a
R00362a	R00351b
R04939a	R04936a
R07807a	R01329a
R02731a	R01819a
R02529a	R02528a
R00238a	R00742a
R00430a	R00426a
R02571a	R02487a
R01104a	R01041a
R00939a	R04125a
R01171a	R01175a
R01175a	R01171a
R00896a	R03650a
R01005a	R05969a
R04428a	R04430a
R04430a	R04428a
R00842a	R01015a
R01015a	R00842a
R00094a	R00115a
R00115a	R00094a
R00251a	R00243a
R03916a	R00258a
R01093a	R02926a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R06238a	R06127a
R00352b	R01978a
R00248a	R00256a
R00256a	R00248a
R00582a	R00220a
R00720a	R01126a
R00941a	R04325b
R04325b	R00941a
R00891a	R07460a
R00440a	R00514a
R00526a	R00355b
R00286b	R01384a
R00694a	R03660a
R00430a	R00434a
R00441a	R00443a
R00443a	R00441a
R00342b	R00214a
R02765a	R00833b
R04326a	R04125b
R01063a	R01641b
R07807a	R07810a
R00431a	R00200a
R02300a	R03189a
R01878a	R01549a
R04386a	R04747b
R04747b	R04386a
R00268a	R00267b
R01126a	R01863a
R03858b	R04739b
R04739b	R03858b
R00236a	R00352a
R00355a	R00239a
R03940b	R02287b
R05922a	R08107a
R00936a	R04325b
R00945a	R01290a
R01967a	R02090a
R02090a	R01967a
R03916a	R00259a
R07604a	R00014a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00899a	R03718a
R00115b	R02736b
R02736b	R00115b
R00970a	R00158a
R03634a	R01092a
R00184a	R00435a
R00243b	R01221a
R00842a	R00851a
R03269a	R03036a
R00227a	R00235b
R00235b	R00227a
R00036a	R00084a
R03284a	R00945a
R00344b	R00342b
R01101a	R02926a
R01067a	R01529a
R00137a	R00104a
R00258b	R00782a
R03157a	R03158a
R03158a	R03157a
R02323a	R02294a
R00485b	R01954a
R07937a	R04742b
R00243b	R00245a
R00245a	R00243b
R00328a	R00332a
R00332a	R00328a
R00243b	R00149b
R00485a	R05577a
R01036a	R01041a
R01041a	R01036a
R01819a	R03321a
R03321a	R01819a
R02824a	R03915a
R03915a	R02824a
R00352b	R07953a
R04390a	R03103a
R03858b	R01177a
R00149b	R01398b
R05917a	R05918a

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List of Links	
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R07602a	R00014a
R01132a	R01126a
R01206a	R01207a
R01752a	R02568a
R02568a	R01752a
R01061a	R01070a
R01070a	R01061a
R00941a	R04125a
R01351a	R00631a
R01279a	R04738a
R00233a	R03858a
R00945c	R02101b
R02101b	R00945c
R01959b	R00943a
R07762a	R07763b
R00216a	R00344b
R00158a	R00963a
R04741b	R04742b
R04742b	R04741b
R00494a	R00355a
R00571a	R00442a
R02142a	R02107a
R04866a	R04867a
R07618b	R03316a
R03045b	R03157a
R03157a	R03045b
R01066a	R01641b
R03778b	R04747a
R05351a	R00238c
R00158a	R00966a
R00966a	R00158a
R01802a	R03362a
R01231b	R00332a
R00200a	R00703a
R03858b	R04747b
R04747b	R03858b
R00214a	R00216a
R00216a	R00214a
R00289b	R00955a

(Supplementary Data 2) contd.,...

List of Links	
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R00119a	R01269a
R01520a	R04783a
R04783a	R01520a
R00662a	R00966a
R07808a	R07809a
R00899a	R00945d
R01083b	R01086c
R01086c	R01083b
R02535a	R02534a
R06263a	R06264a
R01655a	R01220b
R00351b	R03858a
R00371a	R00497b
R00192a	R02821b
R00235b	R00238a
R00941a	R00946b
R00955a	R00286b
R00848a	R01068a
R04445a	R05052a
R01648a	R00713b
R01001c	R00253b
R00352b	R03778a
R00713a	R02164a
R02164a	R00713a
R00899a	R00367a
R04170a	R04741a
R04741a	R04170a
R01364a	R01357a
R00355b	R00362a
R00362a	R00355b
R00248a	R00894a
R03284a	R03718a
R00494a	R00708a
R00943a	R03940b
R04742b	R00742a
R03916a	R00239a
R00115b	R02824a
R02824a	R00115b
R02765b	R00833a

(Supplementary Data 2) contd.....

List of Links	
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R02093a	R02095a
R02095a	R02093a
R01056a	R01056b
R01056b	R01056a
R07064a	R07057a
R00235a	R00235b
R00235b	R00235a
R02569a	R01978a
R00235a	R01624a
R03045b	R04432a
R04432a	R03045b
R04188a	R00935a
R01168b	R00149b
R01512a	R01515a
R01515a	R01512a
R03288b	R00908a
R01811a	R02705a
R02569a	R00227a
R00801a	R00875a
R02320a	R00703a
R01092a	R01095a
R01095a	R01092a
R00342a	R00216b
R01793a	R01794a
R01794a	R01793a
R01364b	R01082a
R03045a	R03045b
R03045b	R03045a
R04390a	R03102a
R00734a	R03342a
R03342a	R00734a
R00377a	R00378a
R00378a	R00377a
R00705a	R02569a
R01899a	R01900b
R00497b	R00494a
R00578b	R00894b
R00896a	R01001b
R01561a	R02557a
R02557a	R01561a

(Supplementary Data 2) contd.....

List of Links	
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R01166a	R00908a
R00369a	R00782a
R02017a	R01138a
R01015a	R01829a
R01830a	R03321a
R03321a	R01830a
R00243b	R02287a
R02287a	R00243b
R01639a	R01830a
R01830a	R01639a
R00575b	R01397a
R01360a	R04386a
R02110a	R02111a
R02111a	R02110a
R01082b	R01083b
R00927a	R07953a
R00317a	R00235a
R00253a	R00261a
R03940b	R04325b
R04325b	R03940b
R00945d	R00220a
R00936a	R02287b
R00094a	R00115b
R00115b	R00094a
R00181a	R00243b
R03595a	R03599a
R03599a	R03595a
R04095a	R04138a
R02665a	R04323a
R02794a	R03720a
R00122a	R00181a
R01518a	R01512b
R00149a	R01398b
R01201a	R02059a
R02059a	R01201a
R07618b	R03270b
R01397b	R01993a
R04125a	R01221a
R00966a	R00978a
R00978a	R00966a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
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R00233a	R02569a
R04780a	R03920a
R05351a	R03991a
R00694a	R00698a
R01177b	R00227a
R01561a	R01560a
R00359a	R00344a
R00102a	R01271a
R00867a	R04779a
R00899a	R00830a
R00768b	R02058a
R02058a	R00768b
R00578b	R00239a
R00494a	R00259a
R00256c	R00243b
R00946b	R04125b
R04125b	R00946b
R02569a	R04386a
R04386a	R02569a
R00936a	R00945c
R04894a	R04891a
R00299a	R00840a
R00927a	R03858b
R00551a	R01398b
R00115a	R00115b
R00115b	R00115a
R00137a	R01271a
R01271a	R00137a
R02098a	R02101a
R02396a	R03991b
R03991b	R02396a
R00286b	R01383b
R00086a	R00124a
R00124a	R00086a
R00216b	R00782a
R00367a	R00497b
R00366a	R00369b
R00369b	R00366a
R01176a	R01175a
R07937a	R03858b

(Supplementary Data 2) contd.,...

List of Links	
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R06985a	R04747b
R03991b	R07953a
R07953a	R03991b
R00216b	R00006a
R02092a	R02094a
R02094a	R02092a
R02251a	R01350a
R00233a	R04742a
R00122a	R00127a
R00127a	R00122a
R00405b	R00833b
R02569a	R03858a
R02731a	R02732a
R02732a	R02731a
R00945a	R00497b
R00713a	R00727a
R00727a	R00713a
R00708a	R00894a
R01641b	R01057b
R00243b	R00261a
R00184a	R00124a
R03915a	R01262a
R00238a	R04747a
R02287b	R04125a
R00708a	R00259a
R01364b	R00410a
R01015a	R01063a
R01063a	R01015a
R00258b	R00344a
R00344a	R00258b
R01083a	R00185a
R03778b	R00238c
R00927a	R04386a
R01177b	R03778a
R00253b	R01072a
R01324a	R01325b
R01325b	R01324a
R00782a	R01001a
R00566a	R01157a
R01512a	R01063b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00330a	R00441a
R00441a	R00330a
R00287a	R00966a
R01151a	R01920a
R00713a	R00713b
R00713b	R00713a
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R00435a	R00200b
R01253a	R00707b
R02748a	R01132a
R00344a	R00014b
R03527a	R01786b
R00214b	R00703a
R01201b	R02059a
R02101b	R00939a
R04125a	R03815a
R05351a	R00235a
R00726a	R00351a
R00840b	R01185b
R00235a	R02569a
R02569a	R00235a
R00867a	R01830a
R04894a	R04892a
R00488a	R01397b
R01077a	R01074a
R00220a	R01290b
R02097a	R00158a
R00704a	R00782a
R06908a	R00727a
R00667a	R00670a
R02519a	R03181a
R03778a	R03778b
R03778b	R03778a
R01968a	R01969a
R01969a	R01968a
R05549a	R02926a
R03435a	R04545a
R01049a	R01056a
R01056a	R01049a
R01134a	R01132a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R01360a	R01361a
R03991b	R00742a
R02237a	R02235a
R05800a	R05801a
R01041a	R01752a
R00927a	R00924a
R00238a	R00410a
R00410a	R00238a
R00181a	R01221a
R00565b	R00557a
R01569a	R01570a
R00891a	R01001b
R01229a	R01227a
R01961a	R02058b
R00287a	R00158a
R00927a	R04747b
R01351a	R01036a
R00939b	R04560b
R04560b	R00939b
R00335a	R00328a
R00369b	R00565a
R00251a	R02287a
R00014b	R03050a
R00705a	R04742b
R00248b	R00707a
R00707a	R00248b
R00708a	R00239a
R00707a	R00894b
R02484a	R02484b
R02484b	R02484a
R00184a	R00089a
R00236a	R04742a
R02662a	R02569a
R00014b	R03270a
R00619a	R07601a
R01325c	R00362a
R01278a	R07758a
R03316a	R00616a
R00437a	R00438a
R00438a	R00437a

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List of Links	
Link_From	Link_To
R00316a	R00362a
R00362a	R00316a
R00658a	R02320a
R02484a	R00978a
R00158a	R00157a
R00253a	R01231b
R00200a	R00220a
R01676a	R02142a
R00945d	R00891a
R01360a	R00238c
R01086a	R01083b
R00582a	R01281a
R00316a	R00711a
R00711a	R00316a
R01061a	R01063a
R01063a	R01061a
R00619a	R00621a
R01795a	R00734b
R00330a	R00439a
R00439a	R00330a
R03435a	R02687a
R00485a	R00578a
R00578a	R00485a
R01626a	R04957a
R02035a	R01528a
R01086a	R01086b
R01086b	R01086a
R00351b	R00726a
R00726a	R00351b
R00257b	R00102a
R04544a	R04970a
R04970a	R04544a
R00220a	R00344b
R01051a	R01641a
R01641a	R01051a
R00286a	R00955a
R00955a	R00286a
R00235a	R03991a
R01214c	R07599a
R02239a	R01321a
R01641b	R01529b

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R01602a	R02109a
R02109a	R01602a
R00959a	R01786b
R01786b	R00959a
R01134a	R01130a
R01026a	R01025a
R01135b	R01397b
R03989a	R03991a
R03102a	R03098a
R00707a	R01248a
R01248a	R00707a
R01682a	R03720b
R07759a	R00112a
R01015b	R00848a
R01397a	R01993a
R00355a	R05578a
R02435a	R01682a
R00435a	R00089a
R07833a	R03026a
R02396a	R04742a
R01134a	R01126a
R01325c	R00352b
R03916a	R00256a
R02740a	R03920a
R03920a	R02740a
R00438a	R00443a
R00443a	R00438a
R01177b	R01624a
R01641b	R01529a
R07758a	R00709a
R02250a	R02687a
R00905b	R00908a
R00908a	R00905b
R00243a	R00245a
R00245a	R00243a
R02687a	R01351a
R07807a	R07808a
R00268a	R00132a
R00256a	R00575b
R03527a	R01786a

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List of Links	
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R00893a	R02619a
R00371a	R00945b
R00945b	R00371a
R03719a	R03720a
R03284a	R03283a
R00716a	R00716b
R00716b	R00716a
R00256b	R00894a
R04386a	R00352a
R03098a	R04863a
R04674a	R04996a
R01168b	R01167a
R00256c	R01221a
R07758a	R03991b
R02613a	R02537a
R00945c	R01224a
R00344a	R00703a
R00703a	R00344a
R00181a	R01126a
R00137a	R00102a
R00344a	R00342b
R04748b	R04749a
R04749a	R04748b
R00127a	R00190a
R00190a	R00127a
R00369a	R00014a
R01549a	R00158a
R00286a	R00287a
R00435a	R00442a
R00442a	R00435a
R01051a	R01057a
R01057a	R01051a
R02396a	R01624a
R01177b	R03991a
R01130a	R01230a
R00367a	R00945b
R00945b	R00367a
R00867a	R02732a
R00256a	R01168b

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List of Links	
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R01105a	R01092a
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R00257b	R07936a
R05351a	R00351a
R00243a	R00258a
R00258a	R00243a
R00494a	R00243a
R04125a	R00945d
R00585a	R00945a
R00945a	R00585a
R04170a	R04741b
R04741b	R04170a
R01090b	R07601a
R04372a	R01187a
R00943b	R00943a
R00703a	R03105a
R02080a	R02383a
R00927a	R01978a
R00359a	R00431a
R00251a	R00239a
R00243b	R00894a
R06261a	R06262a
R00610a	R03654a
R02091a	R00512a
R04968a	R04543a
R00611a	R00945d
R01063a	R01515a
R00662a	R00963a
R00014a	R04672a
R00200a	R00006a
R00267b	R01900a
R00351b	R00431a
R00431a	R00351b
R02529a	R02531a
R01083a	R00181a
R00965a	R00963a
R00802a	R01788a
R01678a	R02926a

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R04639a	R04620a
R02099a	R02101a
R00200b	R00437a
R00437a	R00200b
R04740a	R03989a
R04326a	R04125a
R00286a	R01384a
R01218a	R07168a
R03425a	R00132a
R03815a	R03425a
R02527a	R02528a
R00253a	R01072a
R02740a	R02732a
R01083b	R01135b
R01135b	R01083b
R00127a	R00200b
R00200b	R00127a
R00362a	R01325b
R01325b	R00362a
R01176a	R01171a
R00248b	R00355a
R00355a	R00248b
R01664a	R02485a
R00621a	R00132a
R01718a	R01787a
R02287a	R00261a
R01175a	R03026d
R00488a	R01135b
R00330a	R02019a
R00258b	R00226a
R00726a	R02320a
R06908a	R00833b
R00896a	R07460a
R00238b	R01177a
R07806a	R07807a
R00268a	R00149b

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List of Links	
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R06264a	R05976a
R00127a	R02017a
R00578a	R03648a
R00235b	R07953a
R00945a	R04125b
R04125b	R00945a
R04378a	R04560a
R00376a	R01855a
R01134a	R01135a
R00257a	R07952a
R00238a	R00351a
R01221a	R03718a
R07758a	R00267b
R00235a	R00238c
R02093a	R02092a
R04097a	R04095a
R00438a	R00442a
R00442a	R00438a
R02085a	R02082a
R02488a	R03026c
R00961a	R01135a
R01067a	R01827a
R01827a	R01067a
R00582a	R01290b
R00762a	R00768b
R02301a	R01220a
R01351a	R01104a
R00122a	R00190a
R02101a	R02094a
R01067a	R01529b
R05351a	R01624a
R00258a	R05578a
R01641b	R01057a
R01360a	R03991b
R00942a	R00945c
R00945c	R00942a

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List of Links	
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R04959a	R07768a
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R04125a	R01168b
R02295a	R03346a
R03346a	R02295a
R05351a	R03858a
R01251a	R01252a
R00440a	R00443a
R00443a	R00440a
R01218a	R04326a
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R03940b	R04125b
R01662a	R01063b
R00344b	R00431a
R02142a	R02103a
R00233a	R03778a
R01321a	R01310a
R00351b	R04742b
R04742b	R00351b
R00742a	R01626a
R00945c	R00946b
R00946b	R00945c
R01185a	R01194a
R01194a	R01185a
R04242a	R04125a
R01218a	R02302a
R02320a	R00014a
R00137a	R02323a
R00245a	R00253a
R00253a	R00245a
R02569a	R00351a
R05549a	R01093a
R03026a	R03026c
R03026c	R03026a
R00362a	R01324a
R01324a	R00362a
R00488a	R00355b
R00028a	R01602a
R02396a	R02569a

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List of Links	
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R01528a	R00149b
R00945a	R00565a
R00352b	R01624a
R04325b	R04560b
R04560b	R04325b
R03174a	R07618a
R01221a	R03654a
R07952a	R07765b
R00342a	R00431a
R00431a	R00342a
R00267a	R07759a
R07759a	R00267a
R00768b	R02058b
R00945a	R00945d
R00945d	R00945a
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R02327a	R00158a
R01070a	R01013a
R00235b	R01978a
R02301a	R01218a
R01083a	R00127a
R01321a	R07859a
R00235b	R03991a
R00256b	R00239a
R06127a	R06128a
R01900b	R01325b
R01072b	R04144a
R07760a	R07761a
R00238b	R00227a
R00243a	R00708a
R00708a	R00243a
R02051a	R02239a
R01061a	R01512a
R01512a	R01061a
R00158a	R02018a
R00762a	R00765a

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List of Links	
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R02142a	R01231a
R01512b	R01063a
R01220a	R02101b
R00236a	R00227a
R00352b	R00362a
R00362a	R00352b
R00200b	R02017a
R06258a	R06259a
R04771a	R04939a
R00707a	R00259a
R01361a	R01357a
R07618a	R07618b
R07618b	R07618a
R00511a	R00962a
R00962a	R00511a
R00156a	R00159a
R00159a	R00156a
R01678a	R01104a
R00378a	R02093a
R02093a	R00378a
R02018a	R02098a
R00257b	R07952a
R00927a	R00352a
R01177b	R04747b
R04747b	R01177b
R01975b	R00238b
R01092a	R01194a
R01194a	R01092a
R00248b	R00259a
R00708b	R00243a
R00405b	R00727a
R00727a	R00405b
R01819a	R04779a
R01718a	R02109a
R00582a	R00590a
R05976a	R05979a
R00945b	R00590a
R00833a	R02570a
R00355a	R00261a
R01791a	R01787a

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List of Links	
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R02287b	R00945c
R04285a	R01813a
R04725a	R04726a
R00731a	R02080a
R01876a	R01880a
R00235a	R00742a
R06262a	R06263a
R00256a	R01072b
R01769a	R02297a
R02396a	R04747a
R00708b	R00894a
R00258b	R03105a
R03858b	R01978a
R04188a	R05066a
R05066a	R04188a
R05988a	R05989a
R01086b	R01086c
R01086c	R01086b
R00089a	R00191a
R01086a	R00566a
R00434a	R01234a
R07600a	R00014a
R01529a	R01639a
R01639a	R01529a
R00497b	R03915a
R02720a	R01130a
R01166c	R01159a
R05351a	R01177b
R00927a	R04742a
R04951a	R03718a
R03856a	R03858a
R01063a	R01830a
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R01218a	R00945d
R00256a	R00707a
R00707a	R00256a
R03539a	R03973a

(Supplementary Data 2) contd.....

List of Links	
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R04386a	R00238c
R00351b	R01325b
R01325b	R00351b
R00216b	R00267b
R00485a	R01954a
R01975a	R01975b
R01975b	R01975a
R04428a	R04533a
R04533a	R04428a
R02488a	R03026d
R00945b	R01290b
R00342a	R00214b
R00705a	R00236a
R02018a	R02331a
R00746a	R00754a
R00754a	R00746a
R00437a	R00441a
R00441a	R00437a
R00112a	R00137a
R00137a	R00112a
R00359a	R00352a
R01870a	R00965a
R03161a	R01951a
R00872a	R00866a
R02719a	R02297a
R01398b	R01397a
R01799a	R02030a
R00367a	R00366a
R07618a	R03316a
R00578a	R05577a
R00112a	R00103a
R01969a	R02147a
R02147a	R01969a
R01070a	R01070b
R01070b	R01070a

(Supplementary Data 2) contd.....

List of Links	
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R01641a	R01066a
R00245a	R00894b
R01360a	R04742a
R03435a	R03394a
R02720a	R02719a
R05066a	R03869a
R01360a	R00742a
R02485a	R02484b
R00707a	R05578a
R01787a	R02926a
R02926a	R01787a
R00362a	R00726a
R00726a	R00362a
R01077a	R03658a
R00410a	R01361a
R01361a	R00410a
R00236a	R00238c
R00248a	R00267b
R00344a	R00226a
R01329a	R02926a
R02926a	R01329a
R00722a	R00720a
R00258b	R00006a
R00216b	R00149b
R00124a	R02017a
R01512b	R01063b
R00939b	R04325b
R04325b	R00939b
R03646a	R00566a
R00248b	R01221a
R01360a	R07953a
R00104a	R00267a
R00274a	R02824a
R02824a	R00274a
R00236a	R03778a
R01171a	R03026d
R03026d	R01171a

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List of Links	
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R01900a	R01899a
R02534a	R04893a
R04745a	R04746a
R04746a	R04745a
R02297a	R02103a
R07936a	R07765b
R02239a	R03435a
R00410a	R01978a
R01121a	R01658a
R03172a	R04204a
R00238c	R01975a
R00352b	R02396a
R01105a	R02926a
R01857a	R01858a
R01858a	R01857a
R00256b	R00243b
R00945a	R00366a
R01082a	R01086b
R01086b	R01082a
R00190a	R01561a
R01561a	R00190a
R01095a	R01194a
R01194a	R01095a
R01201b	R02058a
R02662a	R07618b
R00438a	R00441a
R00441a	R00438a
R01325b	R01325c
R01325c	R01325b
R01218a	R01224a
R00220a	R00014a
R03045a	R03158a
R03158a	R03045a
R01063b	R01015b
R01207a	R01804a
R01804a	R01207a
R00945b	R00497b
R02731a	R03321a

(Supplementary Data 2) contd.,...

List of Links	
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R02287a	R00248b
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R02111a	R00289b
R01021a	R01023a
R02736b	R07763b
R07763b	R02736b
R00159a	R02018a
R00352b	R00726a
R01220b	R02300a
R00014b	R03270b
R01512a	R01512b
R01512b	R01512a
R00943a	R01655a
R04325b	R04125a
R00703a	R00704a
R00704a	R00703a
R00236a	R04747b
R04747b	R00236a
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R02570a	R00432a
R02887a	R01602a
R00235a	R00236a
R00236a	R00235a
R00707b	R00239a
R00485b	R01954b
R03005a	R00257b
R03435a	R02251a
R00969a	R00662a
R00233a	R00238a
R06908a	R07881a
R05555a	R00702a
R00367a	R00371a
R00371a	R00367a
R00235b	R03778b
R00183a	R01560a
R03199a	R03689a
R03316a	R07601a
R00245a	R00259a
R00258a	R03534a

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List of Links	
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R00708b	R00708a
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R00978a	R02484b
R02484b	R00978a
R00551a	R01398a
R04936a	R04942a
R00440a	R00512a
R00512a	R00440a
R01351a	R01348a
R02250a	R00631a
R04566a	R04568a
R04568a	R04566a
R01878a	R02097a
R00191a	R00183a
R03189a	R04325b
R00124a	R00437a
R00437a	R00124a
R00551a	R00667a
R01317a	R07064a
R02269b	R00905a
R01063b	R01070a
R00235a	R03778a
R03428a	R03434a
R03300a	R03302a
R03302a	R03300a
R04325b	R01655a
R00351b	R00238c
R01077a	R00716a
R01011a	R01068a
R01857a	R01855a
R07064a	R07055a
R03527a	R01787a
R00220a	R00945b
R00945b	R00220a
R00899a	R00371a
R01015b	R01013a
R03989a	R03991b
R00200b	R00122a
R02237a	R02236a

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List of Links	
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R01070a	R00842a
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R03599a	R00258b
R01220a	R07168a
R02872a	R02874a
R00256a	R00259a
R04125b	R00943b
R01768a	R01769a
R01769a	R01768a
R00497a	R03522a
R00494a	R00245a
R00896a	R01001a
R03469a	R04545a
R00943b	R04325b
R04325b	R00943b
R01049b	R01870a
R00200a	R00704a
R00289b	R00291a
R00291a	R00289b
R00352a	R04742b
R04742b	R00352a
R00703a	R00014b
R01360a	R04747b
R01975a	R03026a
R03026a	R01975a
R00200a	R03105a
R01626a	R04355a
R00867a	R03321a
R00939a	R00943b
R00705a	R01978a
R01512a	R01516a
R01516a	R01512a
R00355b	R05577a
R00238a	R04747b
R04747b	R00238a
R01232a	R00430a
R01151a	R01986a
R01325a	R01325c
R01325c	R01325a

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List of Links	
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R01569a	R01567a
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R03991b	R00236a
R01011a	R00842a
R03270a	R07599a
R00765a	R02058a
R02058a	R00765a
R00511a	R02096a
R02096a	R00511a
R01939a	R01933a
R01600a	R02739a
R02739a	R01600a
R01579b	R00256a
R04747b	R01978a
R00945b	R01281a
R00351a	R00351b
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R06908a	R02570a
R00102a	R01269a
R04957a	R04536a
R00437a	R02017a
R00243a	R00709a
R00709a	R00243a
R03915a	R00494a
R03347a	R03005a
R03284a	R00497b
R00585a	R01394a
R04747a	R04745b
R03915a	R03522a
R04869a	R01077a
R00178a	R00149b
R03991b	R04386a
R04386a	R03991b
R02101b	R02235a
R02235a	R02101b
R00969a	R00156a

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List of Links	
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R00344a	R00214a
R00847a	R00851a
R01786b	R01787a
R01787a	R01786b
R01130a	R01132a
R01132a	R01130a
R03181a	R01364b
R00367a	R00565a
R01051a	R01057b
R01220a	R04125b
R00355a	R00708a
R00708a	R00355a
R01206a	R01201b
R00190a	R00183a
R00235b	R01624a
R05987a	R05988a
R00939a	R00942a
R00405b	R00432a
R00432a	R00405b
R00243a	R02287a
R02287a	R00243a
R00352b	R04742b
R02250a	R01321a
R00235a	R01177b
R01177b	R00235a
R02058a	R02059a
R02059a	R02058a
R00943a	R04325b
R04325b	R00943a
R01967a	R01969a
R01969a	R01967a
R04386a	R04742a
R02569a	R04742b
R04742b	R02569a
R00355b	R00489a
R04097a	R02570a
R00705a	R03778a
R03916a	R00248b

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List of Links	
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R05983a	R05982a
R01218a	R01220a
R01220a	R01218a
R04513a	R04404a
R03858a	R04739a
R03778a	R04743a
R01565a	R00367a
R01207a	R02705a
R05145a	R04386a
R02549a	R01989a
R01001c	R00243b
R01398b	R00670a
R00939b	R02287b
R02287b	R00939b
R04230a	R03269a
R00937a	R04560b
R01641a	R01049b
R03858a	R04739b
R00178b	R01920a
R01827a	R01641b
R00945c	R00943b
R00251a	R00261a
R02577a	R02577b
R02577b	R02577a
R01819a	R02732a
R00875a	R01787a
R01787a	R00875a
R00103a	R01271a
R01214b	R03665a
R01187a	R01185a
R00216a	R00216b
R00216b	R00216a
R01070b	R01641a
R01641a	R01070b
R00940a	R04125b
R00253a	R01072b
R01959a	R01956a
R00610a	R00369b
R00181a	R00149a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00439a	R00437a
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R05973a	R06238a
R03920a	R04779a
R00578a	R01135b
R01135b	R00578a
R02731a	R01830a
R01186a	R01184a
R00261a	R01989a
R01855a	R01968a
R00317a	R00362a
R00086a	R00122a
R04125a	R00945a
R00335a	R00332a
R01253a	R00708a
R01678a	R01786a
R02269a	R02269b
R02269b	R02269a
R00238b	R04386a
R00256b	R00707a
R01521a	R04783a
R04783a	R01521a
R00705a	R04747b
R04951a	R03654a
R00014a	R04673a
R01130a	R02142a
R02142a	R01130a
R00351b	R04386a
R04386a	R00351b
R01325c	R01324a
R01135a	R01083b
R00130a	R03778b
R03316a	R02570a
R00565b	R00566a
R00258b	R00014b
R00181a	R00253b
R00704a	R00344b
R02536b	R02537a
R02537a	R02536b
R01706a	R01624a

(Supplementary Data 2) contd.,.,.,.

List of Links	
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R02287a	R00355a
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R04747b	R01624a
R00316a	R00710a
R00710a	R00316a
R01329a	R01326a
R01054a	R01057a
R00708b	R00258a
R00220a	R00585a
R00585a	R00220a
R01326a	R01819a
R00022a	R01201b
R01278a	R01280a
R01013a	R04311a
R00512a	R00570a
R00570a	R00512a
R01049a	R01057a
R01057a	R01049a
R01063a	R01662a
R01662a	R01063a
R00369a	R00216a
R00214b	R00782a
R00927a	R03778a
R00253a	R00239a
R00352a	R04747b
R04747b	R00352a
R00268a	R00355a
R00355a	R00268a
R01880a	R00966a
R07758a	R01177b
R00512a	R00514a
R00514a	R00512a
R00485b	R01954c
R03719a	R02794a
R00236a	R07953a
R03991b	R03858a
R07762b	R01624a
R00848a	R00851a
R01317a	R01310a
R02320a	R00216a

(Supplementary Data 2) contd.,.,.,.

List of Links	
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R02521a	R02519a
R01876a	R02327a
R00705a	R04742a
R00155a	R00158a
R00158a	R00155a
R01528a	R01056a
R01071a	R01072a
R02095a	R02094a
R00867a	R03920a
R00578b	R00355a
R03105a	R00896a
R03270b	R02569a
R00253b	R00253a
R00256b	R00261a
R00157a	R00443a
R01067a	R01830a
R01830a	R01067a
R01063b	R01067a
R00192a	R00946a
R04097a	R07618a
R03916a	R00243b
R00619a	R07599a
R00927a	R02396a
R01790a	R01788a
R00330a	R00428a
R04725a	R04965a
R04965a	R04725a
R02757a	R02241b
R00248b	R00894b
R01177b	R04747a
R06223a	R02873a
R00927a	R03991a
R00955a	R00503a
R00708b	R00894b
R00376a	R01857a
R01857a	R00376a
R00438a	R00440a
R00440a	R00438a
R00028a	R01786b
R00103a	R00137a

(Supplementary Data 2) contd.....

List of Links	
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R00578b	R00258a
R01324a	R01900b
R02662a	R07618a
R00963a	R00968a
R00968a	R00963a
R00708b	R00245a
R00703a	R00014a
R01093a	R01194a
R01194a	R01093a
R00369b	R00945a
R00945a	R00369b
R01855a	R02090a
R01364b	R02164a
R00578a	R00489a
R00494a	R05578a
R02320a	R00214a
R00375a	R00378a
R00378a	R00375a
R01214c	R03665a
R00377a	R02326a
R02326a	R00377a
R00238a	R00227a
R02301a	R01220b
R00707b	R00259a
R03220a	R03222a
R00233a	R04742b
R01166b	R01159a
R01351a	R00847a
R07762b	R00267b
R01961a	R00765a
R02487a	R03026a
R00945a	R00590a
R01063b	R01015a
R00969a	R00159a
R07600a	R07601a
R03270a	R07603a
R01859a	R02765a
R01718a	R01602a
R01360a	R01177a
R01070b	R04780a

(Supplementary Data 2) contd.....

List of Links	
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R00256a	R01231b
R00937a	R04125b
R01795a	R00736a
R01166c	R03655a
R00185a	R00190a
R00190a	R00185a
R00238a	R00351b
R00351b	R00238a
R01004a	R01005a
R00332a	R01227a
R01802a	R03361a
R01719a	R01718a
R01177a	R04748b
R01251a	R01253a
R01253a	R01251a
R03634a	R01093a
R00216b	R00014a
R02383b	R04300a
R07763a	R07764a
R00872a	R00867a
R00355b	R01954c
R01954c	R00355b
R00585a	R03662a
R03293a	R03294a
R03294a	R03293a
R01678a	R01602a
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R00438a	R00157a
R00582a	R01290a
R03026a	R03026d
R03026d	R03026a
R02235a	R00940a
R00233a	R03778b
R01350a	R01348a
R01549a	R00966a
R07396a	R03659a
R00238b	R00235a

(Supplementary Data 2) contd.,.,.,.

List of Links	
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R03991b	R01177a
R00236a	R03858b
R03858b	R00236a
R03940b	R04125a
R00485a	R00355b
R01082b	R01086c
R01011a	R00848a
R01157a	R01151a
R01360a	R01177b
R01123a	R02061a
R00702a	R02872a
R00256c	R00149a
R06259a	R06260a
R01325b	R00352b
R00369a	R00220a
R00253b	R00575b
R01232a	R00441a
R01175a	R03026a
R04858a	R00178b
R00362a	R00342b
R03469a	R03435a
R01666a	R01665a
R00256a	R00768a
R00286a	R01383b
R01056a	R01057a
R01057a	R01056a
R01360a	R03991a
R04743a	R04744a
R04744a	R04743a
R02433a	R01682a
R00945a	R00945c
R00945c	R00945a
R01063a	R01827a
R01827a	R01063a
R00497a	R00115a
R03174a	R07618b
R00945d	R03662a
R07604a	R07599a
R00945d	R01281a
R04386a	R03991a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R00570a	R00569a
R00344b	R00351a
R00441a	R00426a
R02765a	R02765b
R02765b	R02765a
R05986a	R05987a
R05987a	R05986a
R00431a	R00351a
R01214a	R01214b
R01214b	R01214a
R03858b	R03857a
R00570a	R00514a
R03348a	R03005a
R00966a	R02484b
R02484b	R00966a
R00369a	R00703a
R01968a	R02090a
R02090a	R01968a
R01520a	R01521a
R01521a	R01520a
R04970a	R07762a
R03940b	R00939b
R00258a	R00259a
R00328a	R01227a
R00238b	R00352a
R00362a	R00235b
R01218a	R01220b
R01220b	R01218a
R02687a	R02757a
R02372a	R00512a
R02396a	R00352a
R01168b	R01168a
R00573a	R00570a
R00149a	R01397a
R00251a	R00355a
R00945b	R00891a
R01011a	R01013a
R00405b	R02570a
R01177b	R03858a
R00940a	R04560b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R03915a	R00094a
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R03634a	R01194a
R01639a	R01641a
R01641a	R01639a
R02569a	R07618b
R00705a	R03778b
R00243a	R00261a
R01360a	R00351a
R03916a	R00894b
R00135a	R03661a
R01790a	R01786a
R02250a	R02251a
R02251a	R02250a
R00235b	R03778a
R01063b	R01070b
R01086a	R03646a
R03778b	R04742b
R04742b	R03778b
R00611a	R00830a
R00216b	R00220a
R00945c	R04125a
R04125a	R00945c
R00708a	R02287a
R02287a	R00708a
R03295a	R04445a
R00352b	R03991b
R00905a	R00908a
R00431a	R00726a
R00726a	R00431a
R04747b	R07953a
R07953a	R04747b
R01830a	R04779a
R00330a	R00430a
R00430a	R00330a
R02235a	R00939a
R00181a	R00248b
R00124a	R00122a
R00369a	R00214a
R00978a	R01876a

(Supplementary Data 2) contd.....

List of Links	
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R01815a	R02078a
R00227a	R00316a
R00369b	R00945b
R00945b	R00369b
R00258a	R00355a
R00355a	R00258a
R00355a	R00621a
R00621a	R00709a
R00709a	R00621a
R03291a	R03294a
R03294a	R03291a
R00216b	R00704a
R00253a	R00894b
R00940a	R04325b
R00235b	R04747b
R01364b	R01357a
R00200a	R00014b
R00256b	R00258a
R01357a	R00238a
R00428a	R05046a
R00497b	R00094a
R01360a	R01978a
R01978a	R01360a
R01168b	R00253b
R00235a	R04747b
R04747b	R00235a
R00703a	R00344b
R02556a	R02557a
R02557a	R02556a
R00371a	R00366a
R01357a	R00238b
R01280a	R05918a
R00485b	R00149b
R01655b	R02300a
R01521a	R01602a
R01602a	R01521a
R02239a	R02251a
R00351a	R01177b

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R00351b	R07953a
R02096a	R00512a
R02536a	R02537a
R02537a	R02536a
R00238a	R01978a
R01528a	R00132a
R01813a	R01793a
R00243b	R00355a
R00355a	R00243b
R02287a	R00894a
R02250a	R03435a
R00287a	R00963a
R03361a	R03469a
R02705a	R04435a
R00558a	R00111a
R00238a	R04742b
R04742b	R00238a
R03284a	R03425a
R00342a	R00726a
R00726a	R00342a
R01082a	R01083b
R01083b	R01082a
R01600a	R04783a
R04783a	R01600a
R00245a	R00894a
R00371a	R00945d
R04742b	R00238c
R01795a	R03539a
R00253a	R00894a
R03434a	R05800a
R04242a	R00942a
R01512a	R01662a
R01662a	R01512a
R04726a	R04566a
R00485a	R01954b
R02613a	R02536a
R02873a	R03199a
R00238a	R01177a
R01231a	R01229a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R01678a	R01788a
R00352b	R01177b
R05351a	R04747b
R00238a	R03858a
R00251a	R00708a
R01067a	R01829a
R00115b	R00267a
R00267a	R00115b
R01194a	R02926a
R02926a	R01194a
R03916a	R00708a
R00705a	R04386a
R01360a	R00235a
R00964a	R00966a
R00235b	R04742a
R00289a	R00287a
R00094a	R00494a
R07618b	R07602a
R00621a	R00267b
R00355b	R00726a
R00726a	R00355b
R01015b	R01068a
R01274a	R01280a
R01280a	R01274a
R00437a	R00442a
R00442a	R00437a
R01015a	R01827a
R01827a	R01015a
R00214a	R00258b
R00258b	R00214a
R05985a	R05987a
R05987a	R05985a
R00440a	R02024a
R00570a	R02024a
R01177b	R01978a
R02530a	R02531a
R04444a	R05052a
R01815a	R02080a
R00618a	R00014a
R00848a	R01829a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R04386a	R00236a
R03858a	R03858b
R03858b	R03858a
R00258b	R00703a
R00703a	R00258b
R04747b	R03991a
R05970a	R05972a
R00851b	R02241b
R01961a	R00768b
R07759a	R07760a
R03776a	R03778a
R04951a	R00497b
R01056a	R01641a
R01641a	R01056a
R01221a	R00497b
R01086c	R00558a
R02003a	R06223a
R00112a	R07936a
R00511a	R02091a
R02091a	R00511a
R04224a	R05064a
R01132a	R01863a
R01863a	R01132a
R00485b	R00578a
R00578a	R00485b
R00248b	R01168b
R01168b	R00248b
R00235a	R01177a
R00431a	R02320a
R00945a	R07168a
R03284a	R00565a
R01054a	R01056b
R02396a	R03858b
R03858b	R02396a
R02569a	R04742a
R00705a	R00351b
R00258a	R00261a
R00705a	R02396a
R00367a	R03425a
R00899a	R00366a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R01787a	R01788a
R01788a	R01787a
R07859a	R07861a
R04951a	R00371a
R00715a	R03658a
R00475a	R00717a
R00717a	R00475a
R00937a	R04325b
R00414a	R00420a
R00420a	R00414a
R00236a	R00351b
R00351b	R00236a
R00494a	R00707a
R00352b	R04747a
R01920a	R02869a
R03778b	R03991a
R03189a	R00943b
R00945a	R01290b
R00214a	R03105a
R00375a	R00377a
R00377a	R00375a
R00238a	R03991a
R02109a	R02110a
R02110a	R02109a
R01350a	R01041a
R01360a	R03858a
R00940a	R02287b
R00485b	R00253b
R03174a	R02570a
R04747b	R04751a
R01600a	R02736a
R00713a	R01648a
R01648a	R00713a
R02720a	R01230a
R01978a	R02085a
R00352a	R01325a
R00694a	R01372a
R00359a	R00351b
R00833a	R00727a
R01388a	R01394a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R01057b	R01057a
R01804a	R02705a
R01788a	R02739a
R02739a	R01788a
R00802a	R01786b
R00344a	R00006a
R04463a	R04208a
R01878a	R00967a
R04780a	R02732a
R01121a	R02061a
R02731a	R04779a
R01933a	R02488a
R00257a	R00104a
R00899a	R00893a
R03991b	R04737a
R04737a	R03991b
R00289a	R00289b
R00289b	R00289a
R00875a	R00866a
R01166c	R00908a
R07604a	R00616a
R00214a	R00006a
R01570a	R01415a
R00187a	R00200b
R00573a	R00569a
R03778b	R00742a
R02101b	R01224a
R00565b	R03646a
R03646a	R00565b
R02569a	R00742a
R00344b	R00355b
R01788a	R02109a
R02109a	R01788a
R00238a	R00238c
R00238c	R00238a
R04738a	R01278a
R05351a	R00352a
R00611a	R00497b
R05586a	R02488a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
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R00782a	R04230a
R07602a	R00621a
R01975a	R00238b
R00465a	R00475a
R00475a	R00465a
R00768a	R02058a
R00351b	R00352b
R00352b	R00351b
R01177b	R04386a
R04386a	R01177b
R00236a	R02569a
R02569a	R00236a
R04095a	R04137a
R00258a	R00267b
R00959a	R02740a
R02740a	R00959a
R01718a	R01786a
R07768a	R07769a
R04880a	R04882a
R04882a	R04880a
R00187a	R00437a
R00442a	R00570a
R00570a	R00442a
R04780a	R01830a
R01086c	R00566a
R02529a	R02530a
R00618a	R07601a
R00155a	R00966a
R05351a	R01177a
R01056a	R01057b
R00214b	R00704a
R04559a	R04591a
R04591a	R04559a
R00963a	R00970a
R00970a	R00963a
R02668a	R02670a
R00127a	R00185a
R00185a	R00127a
R00830a	R00036a
R00842a	R01829a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R03940b	R00943b
R01663a	R02098a
R02532a	R04883a
R00342a	R01082a
R01082a	R00342a
R07601a	R07602a
R07602a	R07601a
R01933a	R02571a
R00351a	R03858b
R03858b	R00351a
R01830a	R01015b
R01167a	R02150a
R00245a	R00707a
R00707a	R00245a
R00840a	R00840b
R00840b	R00840a
R00330a	R00335a
R00335a	R00330a
R00941a	R00942a
R00256b	R02287a
R00709a	R01324a
R01324a	R00709a
R05351a	R03858b
R00955a	R01092a
R01092a	R00955a
R04951a	R03425a
R00945a	R00945b
R00945b	R00945a
R00253a	R05578a
R00235a	R04742b
R04742b	R00235a
R04745a	R04745b
R04745b	R04745a
R00256a	R02287a
R02287a	R00256a
R02320a	R00220a
R07807a	R01093a
R03189a	R00945c
R00216a	R00704a
R00704a	R00216a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00578a	R01954b
R01954b	R00578a
R01579b	R00149a
R00833a	R00432a
R00963a	R00964a
R00964a	R00963a
R01655b	R03940b
R04125a	R00243b
R01168b	R01159a
R01082b	R01086b
R00258a	R00268a
R00268a	R00258a
R04747b	R01177a
R02199a	R02199b
R02199b	R02199a
R00286a	R01383a
R01383a	R00286a
R00248b	R00258a
R00258a	R00248b
R02805a	R02720a
R04749a	R06985a
R00497a	R00274a
R00236a	R01978a
R00243a	R00248b
R00248b	R00243a
R00267b	R00709a
R00709a	R00267b
R07833a	R03026d
R02556a	R02748a
R00414a	R02706a
R02706a	R00414a
R01325a	R00352b
R01364a	R00410a
R00214a	R00014a
R05145a	R04385a
R02485a	R02099a
R01795a	R00731a
R02235a	R00937a
R00940a	R00939b
R00220a	R00014b

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List of Links	
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R00734b	R03342a
R00127a	R00437a
R00437a	R00127a
R00937a	R04125a
R07763b	R00112a
R01813a	R01794a
R01357a	R01975a
R00842a	R00848a
R00848a	R00842a
R02487a	R03026b
R00157a	R00571a
R00378a	R02095a
R03936a	R00988a
R00332a	R01134a
R00968a	R00966a
R01791a	R01788a
R00366a	R00717a
R00248b	R00894a
R07604a	R07601a
R00216b	R00344b
R03284a	R03654a
R02098a	R02331a
R02331a	R02098a
R01104a	R01329a
R01329a	R01104a
R01101a	R01194a
R01077a	R00715a
R01138a	R01547a
R01547a	R01138a
R00707b	R00355a
R00239a	R03313a
R00670a	R01920a
R00253b	R00256a
R00256a	R00253b
R00104a	R00112a
R00112a	R00104a
R03045b	R03158a
R03158a	R03045b
R02111a	R00959a
R02082a	R02245a

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List of Links	
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R00253a	R00768a
R00768a	R00768b
R00847a	R00842a
R00243a	R00259a
R00243b	R00248a
R00248a	R00243b
R01512a	R01518a
R01518a	R01512a
R05916a	R05917a
R02100a	R02098a
R00705a	R01177a
R00414a	R01811a
R01811a	R00414a
R02569a	R02570a
R02570a	R02569a
R02487a	R01171a
R01678a	R01786b
R00214b	R03105a
R00707a	R00707b
R00707b	R00707a
R00251a	R05578a
R04964a	R04965a
R04965a	R04964a
R00248a	R02287a
R02287a	R00248a
R00233a	R00227a
R00896a	R04230a
R00235a	R00316a
R00316a	R00235a
R00959a	R00289a
R01049a	R01641a
R01641a	R01049a
R00945d	R01290b
R04097a	R07618b
R01086a	R00557a
R00899a	R00369b
R02287b	R04325b
R04325b	R02287b
R01001a	R07460a
R00220a	R00258b

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List of Links	
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R02821a	R01565a
R02142a	R01230a
R00243a	R05578a
R00115a	R03522a
R00352a	R00362a
R00362a	R00352a
R00233a	R00236a
R04242a	R04125b
R00965a	R00158a
R00707b	R02287a
R00317a	R00235b
R01063a	R01070b
R01070b	R01063a
R02101b	R07168a
R01602a	R01788a
R01788a	R01602a
R00705a	R00742a
R03103a	R03098a
R03050a	R07601a
R00833a	R00405a
R00256b	R00355a
R00183a	R01561a
R01186a	R01194a
R01049a	R01049b
R01049b	R01049a
R01093a	R01104a
R01104a	R01093a
R01512b	R01515a
R01515a	R01512b
R01791a	R02109a
R00344b	R00362a
R02821b	R00177a
R02295a	R03347a
R00443a	R00662a
R02016a	R02018a
R02018a	R02016a
R04742b	R01624a
R01070b	R01067a
R00359a	R00342b
R01221a	R00369b

(Supplementary Data 2) contd.....

List of Links	
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R00707a	R00894a
R02794a	R03718a
R01388a	R01752a
R01752a	R01388a
R00257b	R00112a
R04391a	R03269a
R00891a	R00893a
R00256b	R00708a
R04742a	R04741a
R02887a	R01520a
R00238b	R03778b
R00707a	R00239a
R02147a	R01676a
R00274a	R03522a
R00720a	R01127a
R03778b	R01978a
R01830a	R03920a
R03920a	R01830a
R02569a	R01177a
R00216b	R00703a
R00494a	R00256a
R07758a	R00132a
R00351a	R01325b
R03616a	R00847a
R01790a	R01602a
R02080a	R02535a
R00243a	R00894b
R00726a	R00352a
R00557a	R01954c
R00899a	R03650a
R02320a	R00782a
R00762a	R01067a
R02332a	R00966a
R00927a	R00926a
R01278a	R01923a
R04125a	R07168a
R00497b	R01262a
R00924a	R04432a
R04432a	R00924a
R01602a	R01786b

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List of Links	
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R00611a	R00945b
R00243b	R00894b
R00238b	R01624a
R01278a	R05918a
R01177b	R04748b
R04748b	R01177b
R01185b	R01184a
R02110a	R01790a
R03026c	R01975a
R01168b	R00149a
R03174a	R03172a
R04386a	R04869a
R01206a	R01201a
R00159a	R00438a
R01221a	R00945b
R04559a	R04560a
R00891a	R00894b
R00978a	R02269b
R01682a	R01687a
R01678a	R01194a
R02383b	R02535a
R00908a	R00705a
R00256b	R00259a
R03778b	R04747b
R04747b	R03778b
R00216b	R03105a
R01049a	R01870a
R01870a	R01049a
R07758a	R00268a
R04737a	R04737b
R04737b	R04737a
R04025a	R05050a
R00503a	R01679a
R00883a	R01009a
R00967a	R00158a
R01923a	R01279a
R00945a	R01218a
R01218a	R00945a
R00352b	R04386a
R02570a	R07618a

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List of Links	
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R03858b	R00742a
R00235b	R00351b
R00940a	R04125a
R04125b	R01224a
R00200a	R00344a
R00526a	R00578a
R07936a	R07761a
R01325b	R01900a
R01900a	R01325b
R00330a	R00332a
R00332a	R00330a
R00966a	R01876a
R01876a	R00966a
R00187a	R02017a
R01786a	R01788a
R01788a	R01786a
R00369b	R03425a
R05985a	R05986a
R05986a	R05985a
R04385a	R04386a
R04386a	R04385a
R00575b	R01398b
R00904a	R00905b
R01070b	R01641b
R00238a	R01624a
R00248b	R00253b
R00289a	R00286a
R00248b	R05578a
R00369b	R00945d
R00235b	R04386a
R00157a	R00662a
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R03189a	R00946b
R00216a	R00342a
R00342a	R00216a
R00669a	R00667a
R01351a	R01041a
R04125a	R01218a
R00014a	R03050a
R03050a	R00014a

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Supplementary Data 2) contd.....

List of Links	
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R01364a	R01083b
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R01512a	R01063a
R03469a	R04404a
R04404a	R03469a
R01251a	R00707b
R00978a	R02269a
R02269a	R00978a
R00115b	R00119a
R02320a	R00704a
R00437a	R00122a
R01082a	R01082b
R01082b	R01082a
R00937a	R00945c
R07936a	R07763b
R00578b	R00245a
R02383a	R04301a
R00214b	R00014b
R00235a	R00238a
R00238a	R00235a
R02531a	R02577b
R01218a	R04125b
R04125b	R01218a
R00135a	R01248a
R00371a	R03425a
R00191a	R00185a
R00802a	R01786a
R00342b	R00214b
R01528a	R00268a
R01655a	R02300a
R06260a	R06261a
R07604a	R03174a
R00802a	R02109a
R00410a	R01357a
R01357a	R00410a
R04300a	R03302a
R07618a	R03270a
R01641a	R01057b
R00511a	R00517a
R00517a	R00511a

List of Links	
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R00727a	R00833b
R00833b	R00727a
R00667a	R01398b
R01398b	R00667a
R03778b	R03777a
R01057a	R01056b
R00414a	R01804a
R01804a	R00414a
R00726a	R00200a
R00238c	R01978a
R00236a	R00351a
R00709a	R01900a
R01900a	R00709a
R00707a	R02287a
R02287a	R00707a
R04747b	R00238c
R05586a	R02571a
R03527a	R01602a
R00485b	R01168b
R07762b	R07763b
R00894a	R00497b
R02731a	R02740a
R01166b	R01168a
R01070a	R01827a
R01827a	R01070a
R02919a	R04883a
R00485a	R00489a
R00248b	R00253a
R00253a	R00248b
R00369b	R03718a
R00578b	R00259a
R04747b	R03778a
R01086a	R02164a
R01768a	R01132a
R02080a	R04300a
R00335a	R02019a
R04137a	R04138a
R00443a	R00159a
R00256a	R00258a
R00258a	R00256a

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List of Links	
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R00220a	R01290a
R00961a	R01127a
R03858b	R07953a
R07953a	R03858b
R00351b	R01177b
R01177b	R00351b
R04125a	R00149b
R00438a	R00155a
R00437a	R00443a
R00443a	R00437a
R00253a	R00259a
R01135a	R01083a
R02569a	R07953a
R04744a	R04753a
R00214a	R00782a
R00578b	R00894a
R00086a	R02017a
R00291a	R00287a
R01051a	R01056b
R06871a	R01025a
R00291a	R00287b
R00200a	R00226a
R00253b	R00257a
R00289a	R00286b
R01878a	R01880a
R00927a	R03991b
R00352a	R03991b
R03991b	R00352a
R01092a	R01104a
R01104a	R01092a
R02301a	R04326a
R00943a	R01655b
R01655b	R00943a
R00511a	R01878a
R01271a	R02294a
R02294a	R01271a
R01641b	R01639a
R00184a	R00200b

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List of Links	
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R00351b	R00342b
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R00704a	R00014a
R00236a	R01624a
R01799a	R01802a
R01221a	R00945d
R00896a	R00894b
R00945a	R01224a
R04743a	R04743b
R04743b	R04743a
R00963a	R02332a
R02332a	R00963a
R01383a	R01478a
R02435a	R02433a
R02720a	R02142a
R00220a	R00590a
R01830a	R02740a
R02740a	R01830a
R04242a	R04560b
R04747b	R04742a
R00610a	R00945a
R00344a	R00014a
R00802a	R01787a
R00352b	R03991a
R00227a	R00362a
R00618a	R07599a
R01177b	R04742b
R04742b	R01177b
R01516a	R01518a
R01518a	R01516a
R01383a	R01383b
R01383b	R01383a
R02488a	R03026b
R00946a	R03659a
R02058b	R02059a
R02059a	R02058b
R00945a	R02101b
R02101b	R00945a
R01086b	R02164a
R02164a	R01086b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R00256b	R00243a
R05549a	R01092a
R00235b	R04742b
R00235a	R03991b
R03991b	R00235a
R00367a	R03718a
R04125a	R00248b
R01194a	R01329a
R01329a	R01194a
R00736a	R02383a
R01317a	R02114a
R01061a	R01641a
R01641a	R01061a
R00256a	R00239a
R00678a	R01959a
R02662a	R02660a
R00485a	R01135b
R02569a	R03778a
R01933a	R05579a
R01790a	R02109a
R02109a	R01790a
R00376a	R00378a
R00378a	R00376a
R00927a	R01177a
R03026b	R03026d
R03026d	R03026b
R05046a	R05048a
R00867a	R01819a
R02687a	R01347a
R00256b	R00245a
R01513a	R04173a
R04173a	R01513a
R00485a	R01954c
R07618b	R07600a
R02695a	R02697a
R02697a	R02695a
R00344a	R00431a
R00431a	R00344a
R03857a	R04170a
R00731a	R02078a

(Supplementary Data 2) contd.....

List of Links	
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R02111a	R02109a
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R04326a	R00942a
R00235a	R07953a
R02320a	R00344b
R00214b	R00006a
R02484a	R01876a
R00708b	R00253a
R00289b	R00292a
R00485b	R00243b
R03348a	R03346a
R01090a	R01090b
R01090b	R01090a
R00220a	R00704a
R00704a	R00220a
R01624a	R04355a
R00516a	R00512a
R07763b	R07764a
R01177b	R03991b
R03991b	R01177b
R00236a	R00238a
R00238a	R00236a
R01415a	R03055a
R03055a	R01415a
R04386a	R00227a
R00963a	R01549a
R01549a	R00963a
R00268a	R00621a
R00621a	R00268a
R00943b	R01655a
R04444a	R05051a
R01207a	R01201b
R06223a	R02874a
R00569a	R00514a
R04638a	R04621a
R02383a	R04300a
R01086c	R02164a
R02164a	R01086c
R00235a	R04742a
R00243a	R00256a

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List of Links	
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R00352b	R00431a
R00233a	R04747b
R00216b	R00226a
R04951a	R00369b
R00137a	R07952a
R04747b	R00227a
R05145a	R04869a
R00707b	R00253a
R02241b	R02239a
R00238b	R03991b
R01000a	R04673a
R00585a	R01290b
R03991b	R04747b
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R03038a	R00369a
R00233a	R01624a
R00159a	R00155a
R04386a	R03858a
R01529a	R01641a
R01641a	R01529a
R01392a	R01752a
R01752a	R01392a
R00669a	R00670a
R00926a	R01859a
R07807a	R01095a
R01015a	R01641a
R01641a	R01015a
R01939a	R01940a
R01051a	R01049b
R03916a	R02287a
R00939b	R00946b
R00946b	R00939b
R05351a	R00227a
R00248b	R00256a
R00256a	R00248b
R00708b	R00248a
R04286a	R04285a
R00233a	R00238c
R04951a	R00945b

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List of Links	
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R04742b	R00236a
R00851b	R02241a
R00405a	R00713a
R00713a	R00405a
R01063a	R01063b
R01063b	R01063a
R00943a	R04560b
R04560b	R00943a
R00238c	R00410a
R00610a	R00945b
R02532a	R04880a
R01214a	R01214c
R01214c	R01214a
R02569a	R07618a
R07618a	R02569a
R01290b	R01001a
R01001c	R00248b
R00569a	R00512a
R00734b	R02521a
R00511a	R00513a
R00513a	R00511a
R01515a	R01516a
R00611a	R03718a
R01021a	R01021b
R01021b	R01021a
R00578a	R01954a
R00130a	R03858b
R01104a	R01194a
R01194a	R01104a
R02396a	R04747b
R04747b	R02396a
R01070b	R01830a
R01830a	R01070b
R00342a	R00355b
R00355b	R00342a
R04300a	R03300a
R00216a	R00258b
R00258b	R00216a
R00694a	R00699a
R00710a	R00754a

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List of Links	
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R03858b	R00238c
R02301a	R02302a
R00245a	R00258a
R00258a	R00245a
R00610a	R03718a
R00214a	R00220a
R00220a	R00214a
R01248a	R00707b
R04742a	R04742b
R04742b	R04742a
R04741a	R04742b
R04742b	R04741a
R00256a	R05578a
R01194a	R01184a
R01231b	R01227a
R02237a	R00936a
R00611a	R03425a
R01175a	R03026c
R04188a	R03871a
R00945b	R00945d
R00945d	R00945b
R00248b	R00261a
R07758a	R04747b
R00405a	R00432a
R00432a	R00405a
R02887a	R01600a
R00261a	R01648a
R01220b	R07168a
R01878a	R00970a
R00475a	R00369b
R02662a	R02661a
R05549a	R01095a
R03916a	R00355a
R00722a	R00961a
R00435a	R00443a
R00443a	R00435a
R04125a	R04125b
R04125b	R04125a
R01830a	R01829a
R00369a	R00226a

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List of Links	
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R00159a	R00157a
R00494a	R00258a
R01666a	R01663a
R01641b	R01049a
R01061a	R01067a
R00734a	R01815a
R01168a	R02914a
R01769a	R02142a
R00611a	R00565a
R05066a	R00935a
R03991b	R01978a
R00705a	R00351a
R00216a	R00006a
R01665a	R02326a
R03634a	R01095a
R05981a	R05982a
R03026a	R01975b
R00256a	R00149b
R00248a	R00239a
R04241a	R04242a
R00430a	R00428a
R00103a	R02323a
R02097a	R00966a
R00939b	R02236a
R02236a	R00939b
R02570a	R07618b
R01528a	R00267b
R01859a	R02765b
R00670a	R01154a
R00238b	R02569a
R02736b	R07761a
R03321a	R03920a
R03920a	R03321a
R01513a	R01518a
R01518a	R01513a
R00245a	R02287a
R02287a	R00245a
R07600a	R02662a
R00736a	R02383b

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List of Links	
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R04325b	R01655b
R00233a	R00351b
R01863a	R01769a
R00575a	R01398b
R00485b	R01397b
R00927a	R00227a
R03026a	R03026b
R03026b	R03026a
R00351a	R01324a
R06871a	R01023a
R00497a	R02824a
R01278a	R01274a
R00435a	R00439a
R00439a	R00435a
R00253a	R00258a
R00258a	R00253a
R01015b	R01070a
R01070a	R01015b
R00243b	R05578a
R02919a	R04882a
R03916a	R00248a
R00708a	R01248a
R01248a	R00708a
R00927a	R00238c
R01168b	R03655a
R00945a	R03718a
R01791a	R01786a
R01321a	R07064a
R02535a	R02532a
R01388a	R01392a
R01392a	R01388a
R00251a	R00256a
R00937a	R00942a
R00214b	R00014a
R02487a	R03026c
R03294a	R04445a
R01954a	R01086b
R03433a	R03434a
R03434a	R03433a
R01512b	R01061a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
R02237a	R00939a
R01103a	R02926a
R02549a	R01648a
R00945a	R01220b
R01220b	R00945a
R00185a	R00181a
R00256a	R00149a
R00669a	R01398a
R00243a	R00243b
R00243b	R00243a
R00243a	R00248a
R00248a	R00243a
R01317a	R01315a
R00238b	R03991a
R00432a	R00833b
R00833b	R00432a
R01269a	R04085a
R00245a	R00708a
R00708a	R00245a
R01280a	R07758a
R00238b	R00351a
R00366a	R00465a
R00935a	R00924a
R00557a	R01398b
R04951a	R00366a
R05918a	R05919a
R00251a	R00245a
R01791a	R01602a
R01655a	R02302a
R01641a	R01641b
R01641b	R01641a
R00233a	R00742a
R00742a	R00233a
R00156a	R00662a
R00127a	R00183a
R00497b	R00274a
R00268a	R01899a
R01899a	R00268a
R00937a	R00939b
R00253b	R01231b
R01049a	R01051a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
R01051a	R01049a
R00705a	R03858b
R04326a	R04560b
R01954a	R01954b
R01954b	R01954a
R00253a	R00256a
R00256a	R00253a
R00238a	R07953a
R00942a	R04125a
R01166c	R01168b
R00192a	R04858a
R04858a	R00192a
R00094a	R00274a
R00274a	R00094a
R03113a	R04783a
R04783a	R03113a
R04385a	R04869a
R00251a	R00243b
R02668a	R02671a
R05555a	R05556a
R05556a	R05555a
R03634a	R01104a
R05801a	R03479a
R03174a	R02569a
R00414a	R01207a
R01207a	R00414a
R01221a	R03425a
R03269a	R03035a
R01177b	R02396a
R02396a	R01177b
R00185a	R01561a
R01561a	R00185a
R00734a	R00731a
R01959a	R00987a
R00124a	R00200b
R00200b	R00124a
R00274a	R03915a
R03915a	R00274a
R00115a	R00274a
R00274a	R00115a
R01655b	R04326a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
R00526a	R00489a
R01876a	R00964a
R02092a	R01569a
R01101a	R01093a
R01547a	R02088a
R02088a	R01547a
R04739a	R04739b
R04739b	R04739a
R00369a	R00344a
R03991a	R03991b
R03991b	R03991a
R00936a	R04125a
R04536a	R04537a
R04537a	R04536a
R04125a	R01224a
R00183a	R00185a
R00185a	R00183a
R02241a	R02239a
R01232a	R00335a
R00216a	R01082a
R01082a	R00216a
R03434a	R03394a
R00582a	R00891a
R00967a	R00966a
R01103a	R01095a
R04751a	R06985a
R06985a	R04751a
R01923a	R05918a
R01186a	R01185a
R00578b	R00707a
R00289b	R00287a
R01166b	R01167a
R00355b	R00352a
R01248a	R01252a
R02199b	R03656a
R00497a	R00494a
R00720a	R01135a
R00243a	R00355a
R00355a	R00243a
R02382a	R02697a
R00258b	R03038a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
R03038a	R00258b
R00253b	R00256c
R00256c	R00253b
R00442a	R00569a
R00238a	R04386a
R04386a	R00238a
R01321a	R02114a
R01560a	R01863a
R01151a	R02549a
R02051a	R01799a
R04863a	R04390a
R00703a	R00006a
R01317a	R07377a
R00430a	R00441a
R00441a	R00430a
R00405a	R00833b
R00833b	R00405a
R01177b	R03858b
R03858b	R01177b
R01920b	R01402a
R00768b	R01067a
R01310a	R01799a
R00927a	R04742b
R03777a	R04746a
R05549a	R01104a
R00709a	R01899a
R01899a	R00709a
R01061a	R01641b
R00371a	R03718a
R01086a	R00551a
R00968a	R00158a
R00713b	R02164a
R00253a	R00257a
R03393a	R01186a
R00705a	R01177b
R00115a	R01262a
R02055a	R05920a
R00867a	R02740a
R00924a	R00926a
R00926a	R00924a
R00104a	R02736b

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
R01280a	R01279a
R02488a	R01171a
R01326a	R01818a
R03616a	R01041a
R01790a	R01787a
R04779a	R04780a
R04780a	R04779a
R00362a	R00711a
R00711a	R00362a
R00875a	R02926a
R02926a	R00875a
R01310a	R02239a
R00883a	R00888a
R01262a	R00899a
R01923a	R07758a
R00238b	R03778a
R04537a	R04959a
R04959a	R04537a
R04880a	R04883a
R04883a	R04880a
R03284a	R00366a
R02019a	R02090a
R00156a	R00573a
R00243b	R00248b
R00248b	R00243b
R05351a	R03778a
R04959a	R04960a
R02383a	R02383b
R02383b	R02383a
R01220b	R02101b
R02101b	R01220b
R01398a	R01398b
R01398b	R01398a
R02093a	R02094a
R02094a	R02093a
R00939a	R00946b
R01626a	R00233a
R00585a	R00945b
R00945b	R00585a
R01067a	R01639a
R01166a	R00905b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
R07377a	R02055a
R00094a	R01262a
R00768a	R02058b
R05351a	R00236a
R01015a	R01070a
R01070a	R01015a
R04893a	R04892a
R01066a	R02750a
R02750a	R01066a
R02287a	R00259a
R00236a	R02396a
R02396a	R00236a
R05921a	R05922a
R02236a	R00940a
R00115a	R03915a
R03915a	R00115a
R00248b	R00149a
R01086a	R01086c
R01086c	R01086a
R00705a	R00238c
R00289b	R00286b
R00328a	R01229a
R05987a	R05991a
R05991a	R05987a
R03989a	R03990a
R03990a	R03989a
R02320a	R00258b
R00842a	R06872a
R01025a	R02567a
R03004a	R03346a
R01086a	R00558a
R00618a	R00621a
R00258a	R00621a
R03778b	R03858a
R00178b	R01920b
R01070b	R01068a
R02821b	R03659a
R00842a	R01068a
R04960a	R04534a
R00441a	R00434a
R02245a	R03245a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R02003a	R02061a
R04535a	R04962a
R04962a	R04535a
R04741a	R04741b
R04741b	R04741a
R01049a	R01057b
R07168a	R00946b
R00847a	R06872a
R01975b	R01978a
R00253b	R00256b
R02662a	R02570a
R06908a	R00405a
R00291a	R00292a
R00488a	R00578a
R04745b	R04747b
R04747b	R04745b
R00369a	R00704a
R01786b	R01788a
R01788a	R01786b
R03435a	R02240a
R00704a	R00006a
R02687a	R00631a
R00235a	R03778b
R03778b	R00235a
R07807a	R01092a
R00359a	R00355b
R00026a	R01602a
R00192a	R01290b
R01077a	R00716b
R00441a	R00428a
R01101a	R01329a
R04858a	R00178a
R01015a	R01013a
R02332a	R00158a
R04951a	R00945d
R01804a	R02706a
R02706a	R01804a
R01082a	R00216b
R03270a	R00621a
R01177b	R04742a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
R00352b	R04742a
R01325c	R00351b
R00619a	R00616a
R00352a	R03858b
R03858b	R00352a
R01858a	R00376a
R01626a	R04963a
R01021b	R06871a
R06871a	R01021b
R00251a	R00894b
R00585a	R01281a
R00705a	R00352a
R01056a	R01049b
R01548a	R00512a
R00440a	R00441a
R00441a	R00440a
R01135b	R01954c
R01954c	R01135b
R03991b	R04747a
R00709a	R01900b
R03778b	R04742a
R00155a	R00963a
R00439a	R00440a
R00440a	R00439a
R00585a	R01388a
R01388a	R00585a
R01878a	R00964a
R00704a	R00014b
R00705a	R00227a
R00245a	R00261a
R04883a	R04887a
R07758a	R03778b
R00734a	R00734b
R00734b	R00734a
R00010a	R00299a
R00578b	R00248b
R01280a	R01923a
R01923a	R01280a
R01878a	R02327a
R01130a	R01231a
R01529a	R01830a

(Supplementary Data 2) contd.,.,.,.

List of Links	
Link_From	Link_To
R01830a	R01529a
R01278a	R01279a
R01279a	R01278a
R02058a	R02058b
R02058b	R02058a
R01070a	R04780a
R03991b	R03990a
R00248a	R00355a
R00355a	R00248a
R01127a	R01130a
R01130a	R01127a
R01900a	R01325c
R02569a	R03991a
R00734a	R02918a
R01876a	R02332a
R00253a	R03652a
R01070b	R01015b
R01171a	R03026c
R00233a	R07953a
R03778b	R01177a
R01166b	R03655a
R04739a	R04740a
R04740a	R04739a
R01350a	R00847a
R00317a	R00316a
R02250a	R01348a
R01529a	R01529b
R01529b	R01529a
R01026a	R01021b
R04639a	R04286a
R02099a	R02098a
R00258a	R00239a
R04242a	R00939b
R00253a	R00707a
R00707a	R00253a
R00488a	R01954a
R02887a	R04783a
R00355a	R03534a
R01639a	R01529b
R01001c	R00149a
R01070a	R01830a

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
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R01001c	R00256a
R01804a	R01811a
R01811a	R01804a
R01280a	R01281a
R00494a	R00899a
R00342a	R00362a
R00362a	R00342a
R00426a	R01227a
R01819a	R01830a
R01830a	R01819a
R00235a	R00711a
R00711a	R00235a
R00191a	R00181a
R00946b	R00943b
R00946b	R02287b
R02287b	R00946b
R07758a	R07759a
R02053a	R03416a
R00184a	R00086a
R03045a	R04432a
R04432a	R03045a
R00497a	R01262a
R00236a	R00316a
R00316a	R00236a
R01220a	R00945c
R03991b	R00238c
R03026b	R01975a
R01325a	R01325b
R01325b	R01325a
R00443a	R00571a
R00352b	R02569a
R04880a	R04881a
R01036a	R01104a
R01104a	R01036a
R01954b	R01954c
R01954c	R01954b
R01364b	R01083b
R01969a	R01676a
R07833a	R01975b
R00939a	R02287b

(Supplementary Data 2) contd.....

List of Links	
Link_From	Link_To
R03036a	R00130a
R05586a	R05579a
R00935a	R04432a
R01818a	R00883a
R00497b	R02824a
R00959a	R02739a
R02739a	R00959a
R00351b	R04742a
R00235a	R03858a
R00115b	R03915a
R03915a	R00115b
R00709a	R00132a
R07618a	R07604a
R00847a	R00851b
R00344a	R00355b
R00355b	R00344a
R04753a	R04742a
R00726a	R00342b
R00939a	R04560b
R00367a	R00945d
R00465a	R00717a
R00717a	R00465a
R01077a	R00715b
R01641b	R01830a
R01830a	R01641b
R02531a	R02577a
R00430a	R02019a
R01515a	R01513a
R00200a	R00014a
R00905b	R02269a
R02269a	R00905b
R03858b	R03991a
R01290a	R01001a
R01083b	R02164a
R02164a	R01083b
R02101b	R00936a
R03856a	R03858b
R00094a	R03522a
R00369a	R00344b
R01105a	R01093a
R00351b	R00352a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
R00352a	R00351b
R00251a	R00248a
R00236a	R03778b
R03778b	R00236a
R00927a	R03778b
R00945b	R00366a
R03659a	R03940a
R00214b	R00226a
R00014b	R04672a
R07758a	R03858b
R00316a	R00235b
R03300a	R03304a
R01641a	R01068a
R00410a	R01975a
R01975a	R00410a
R00233a	R01177b
R00216a	R00220a
R00220a	R00216a
R00351b	R02396a
R02396a	R00351b
R01101a	R01095a
R01655a	R01218a
R01513a	R01516a
R01516a	R01513a
R01066a	R01070a
R01070a	R01066a
R04430a	R04952a
R00235a	R02396a
R02396a	R00235a
R03105a	R03104a
R01954c	R01086a
R00156a	R00438a
R00438a	R00156a
R03288b	R00905b
R00181a	R01135a
R01229a	R01134a
R00963a	R00967a
R00967a	R00963a
R01101a	R00299a
R03284a	R00830a
R00330a	R00328a

(Supplementary Data 2) contd.,...

List of Links	
Link_From	Link_To
R01641a	R01529b
R01290a	R01001c
R00848a	R00851b
R00765a	R02059a
R02059a	R00765a
R00253a	R00578b
R00578b	R00253a
R02532a	R04882a
R00582a	R00945b
R00512a	R02024a
R00940a	R00943b
R00667a	R03313a
R03313a	R00667a
R00289b	R00959a
R00959a	R00289b
R00238b	R00236a
R00585a	R01392a
R01392a	R00585a
R00734a	R02521a
R00610a	R00497b
R02287a	R05578a
R00713a	R00405b
R01830a	R02732a
R01117a	R01811a
R01811a	R01117a
R00497b	R00115a
R00253b	R01072b
R01127a	R01135a
R01066a	R01830a
R01830a	R01066a
R00238b	R00351b
R01232a	R00428a
R07602a	R07603a
R02094a	R01569a
R00369b	R00371a
R00371a	R00369b
R01095a	R01329a
R01329a	R01095a
R01061a	R01066a
R01066a	R01061a
R00344a	R00726a

(Supplementary Data 2) contd....

List of Links	
Link_From	Link_To
R00726a	R00344a
R00371a	R03654a
R00124a	R00089a
R04138a	R02085a
R03197a	R03220a
R02019a	R01858a
R00014a	R03270a
R03270a	R00014a
R07618a	R07600a
R04742b	R03778a
R01350a	R00631a
R01086c	R00557a
R01360a	R03858b
R02748a	R01769a
R04747b	R00742a
R00942a	R04325b
R04325b	R00942a
R00667a	R01398a
R00585a	R00891a
R01001c	R01168b
R01900a	R01900b
R01900b	R01900a
R00571a	R00569a
R00359a	R00351a
R00214a	R01082a
R01082a	R00214a
R00256a	R00578b
R00578b	R00256a
R00435a	R00440a
R00440a	R00435a
R00220a	R00782a
R02396a	R04386a
R04386a	R02396a
R00734a	R02078a
R01054a	R01057b
R04432a	R01859a
R00352a	R03778b
R03778b	R00352a
R00709a	R00149b
R00939b	R00945c
R00945c	R00939b

Note: KEGG reaction IDs are used for the node names.

Supplementary Data 3. List of miRNA-Targeted Nodes and the Targeted Genes in the Network

Node_Name	Entrez Gene ID
Single Gene Node	
R02055a	23761
R00978a	1806
R01224a	4524
R01201a	55577
R05981a	23193
R00618a	79178
R01026a	43
R04097a	1629
R06871a	162466
R03428a	3705
R00344b	5091
R03534a	79944
R02872a	2222
R07760a	201562
R02085a	549
R01819a	4351
R07758a	79071
R05555a	79947
R05046a	2643
R02142a	3251
R03718a	570
R02571a	1743
R02396a	1384
R01201b	55577
R06223a	2222
R05556a	79947
R01666a	1633
R01056a	22934
R05983a	4245
R02739a	2821
R00746a	10327
R01648a	18
R06259a	79796
R07377a	9791
R07762b	79071
R03161a	197258
R03429a	3705
R00875a	6652
R03479a	3705
R02973a	8876

(Supplementary Data 3) contd.,.,.,.

Node_Name	Entrez Gene ID
Single Gene Node	
R00405b	8803
R00713a	7915
R02736a	2539
R02058b	64841
R03689a	1718
R05048a	2643
R02824a	51060
R02662a	1629
R01521a	9563
R02269a	1807
R02549a	223
R04230a	79717
R02873a	6713
R05973a	85365
R02978a	2531
R05979a	7841
R03654a	2617
R00566a	113451
R01072b	5471
R02569a	1737
R01529a	6120
R01074a	3141
R07168a	4524
R06261a	79796
R00670a	4953
R03915a	51060
R06263a	79053
R06258a	10195
R01415a	1806
R00848a	2820
R05980a	23193
R00178b	262
R01402a	4507
R01015b	7167
R02480a	3052
R05988a	2530
R02757a	55750
R05800a	253430
R00851a	57678
R01350a	4023
R00344a	5091

(Supplementary Data 3) contd.,.,.,.

Node_Name	Entrez Gene ID
Single Gene Node	
R06238a	85365
R02765a	84693
R00259a	162417
R03220a	1371
R06127a	440138
R03055a	1807
R01056b	22934
R01384a	80146
R01665a	51727
R00351a	1431
R06128a	440138
R01520a	9563
R05984a	4124
R03321a	2821
R07762a	79071
R00157a	50808
R01960a	8564
R00702a	2222
R00946a	4548
R07936a	3030
R00512a	51727
R04513a	5728
R01132a	3251
R00352b	47
R01004a	57171
R02765b	84693
R03720b	570
R01811a	80896
R00428a	2643
R03416a	10434
R00289b	7360
R05985a	4247
R05801a	253430
R00908a	18
R00899a	290
R03720a	570
R01802a	10423
R07808a	2799
R03174a	1629
R05986a	4248
R02740a	2821

(Supplementary Data 3) contd.....

Node_Name	Entrez Gene ID
Single Gene Node	
R02155a	3176
R07764a	201562
R01529b	6120
R05990a	6480
R00946b	4548
R01321a	56994
R00289a	7360
R00851b	57678
R07952a	3030
R01072a	5471
R00582a	5723
R04951a	290
R01351a	11343
R04639a	2643
R00352a	47
R00351b	1431
R02874a	6713
R01271a	10135
R01676a	9615
R02082a	3156
R00362a	171425
R03652a	5859
R00291a	2582
R00178a	262
R00158a	51727
R00713b	7915
R04188a	18
R01015a	7167
R02269b	1807
R00084a	3145
R03425a	2731
R02736b	2539
R00104a	65220
R02570a	1743
R05145a	3141
R00405a	8803
R02058a	64841
Multiple Gene Node	
R01579b	2744/27165
R04867a	80854/64324/6839/84444/79813/9869/9739/10919/ 79723

(Supplementary Data 3) contd.....

Node_Name	Entrez Gene ID
Multiple Gene Node	
R00842a	2819/23171
R02051a	5337/5338
R01799a	8760/1040
R04858a	1788/1789/1786
R00551a	384/383
R03469a	8395/8396/200576/23396/79837/5305/8394
R05052a	2806/2805
R07833a	51100/253558/7994/114799/51126/23522/24142
R02199a	587/586
R04771a	27430/4143
R05982a	10905/11253/4121/57134
R00768a	9945/2673
R03595a	22929/22928
R00894b	2730/2729
R01310a	5337/5338
R00267a	3418/3417
R02619a	2806/2805
R03875a	80854/64324/6839/84444/79813/9869/9739/10919/ 79723
R01214a	587/586
R06908a	51100/253558/7994/114799/51126/23522/24142
R00248b	2746/2747
R01890a	9468/5130
R00256c	2744/27165
R00945b	6470/6472
R02433a	2806/2805
R01859a	5095/5096
R02240a	1606/8525/9162/1609/8527/160851/1607/1608
R00268a	3418/3417
R00890a	56886/55757
R01071a	5634/5631
R04936a	23382/191
R00177a	27430/4143
R00256a	2744/27165
R01234a	5151/5144/8654/27115/5142/5141/50940/5139/5138/ 5140/8622
R01090b	587/586
R01281a	10558/9517
R00243b	2746/2747
R00256b	2744/27165
R01899a	3418/3417
R00089a	107/112/108/109/115/114/113

(Supplementary Data 3) contd.,...

Node_Name	Entrez Gene ID
Multiple Gene Node	
R04404a	4952/8867/56623/8871/3633
R00896a	2806/2805
R00192a	23382/191
R05989a	8704/2683/8703
R00261a	2571/113451/2572
R00355b	2806/2805
R05586a	51100/253558/7994/114799/51126/23522/24142
R00191a	5151/5144/8654/27115/5142/5141/50940/5139/5138/ 5140/8622
R01021a	1120/1119
R03430a	3632/27124/51763/3636
R00475a	54363/51179
R02199b	587/586
R00248a	2746/2747
R00489a	2571/2572
R00267b	3418/3417
R01090a	587/586
R03394a	3632/27124/51763/3636
R02746a	23659/10434
R00945d	6470/6472
R07881a	51100/253558/7994/114799/51126/23522/24142
R00355a	2806/2805
R01280a	2182/2180/23305/2181
R00894a	2730/2729
R06872a	51100/253558/7994/114799/51126/23522/24142
R05987a	11320/11282
R00945c	6470/6472
R01214b	587/586
R00185a	1633/132
R01214c	587/586
R03433a	3707/3706
R00243a	2746/2747
R00945a	6470/6472
R03284a	6470/6472
R01021b	1120/1119
R00768b	9945/2673
R04866a	80854/64324/6839/84444/79813/9869/9739/10919/ 79723
R00887a	56886/55757

Note: KEGG reaction IDs are used for the node names.

Supplementary Data 4. Pathways that Could be Affected Through miRNA Regulation of Citrate Synthase Gene

Enzyme: citrate synthase
MiRNAs: miR-152, miR-148a, miR-148b, miR-299-5p, miR-19b, miR-122a, miR-421, miR-494 and miR-19a
Pathways:
Purine metabolism
Pentose phosphate pathway
Fatty acid biosynthesis
Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
Nucleotide sugars metabolism
Starch and sucrose metabolism
Glyoxylate and dicarboxylate metabolism
1- and 2-Methylnaphthalene degradation
Linoleic acid metabolism
Lysine degradation
Porphyrin and chlorophyll metabolism
Selenoamino acid metabolism
alpha-Linolenic acid metabolism
Lipoic acid metabolism
Inositol phosphate metabolism
Tetrachloroethene degradation
Pantothenate and CoA biosynthesis
Methane metabolism
N-Glycan biosynthesis
Terpenoid biosynthesis
Urea cycle and metabolism of amino groups
Taurine and hypotaurine metabolism
Glycosaminoglycan degradation
Glycolysis / Gluconeogenesis
Arachidonic acid metabolism
Ether lipid metabolism
Bile acid biosynthesis
Fatty acid metabolism
Histidine metabolism
Polyunsaturated fatty acid biosynthesis
Folate biosynthesis
Phenylalanine; tyrosine and tryptophan biosynthesis
Butanoate metabolism
Ascorbate and aldarate metabolism
Nitrogen metabolism

(Supplementary Data 4) contd.....

Pathways:
Glutamate metabolism
Fatty acid elongation in mitochondria
Thiamine metabolism
Cysteine metabolism
Sphingolipid metabolism
Propanoate metabolism
Alkaloid biosynthesis I
Styrene degradation
Arginine and proline metabolism
Inositol metabolism
Glutathione metabolism
Tryptophan metabolism
Citrate cycle (TCA cycle)
D-Glutamine and D-glutamate metabolism
Phenylalanine metabolism
Galactose metabolism
Glycerolipid metabolism
Aminosugars metabolism
Synthesis and degradation of ketone bodies
Pyrimidine metabolism
Biosynthesis of steroids
Nicotinate and nicotinamide metabolism
Lysine biosynthesis
Alanine and aspartate metabolism
Glycerophospholipid metabolism
Valine; leucine and isoleucine degradation
Methionine metabolism
Reductive carboxylate cycle (CO ₂ fixation)
Fructose and mannose metabolism
Biotin metabolism
Benzoate degradation via CoA ligation
Cyanoamino acid metabolism
One carbon pool by folate
Carbon fixation
Valine; leucine and isoleucine biosynthesis
beta-Alanine metabolism
Novobiocin biosynthesis
Streptomycin biosynthesis
Pentose and glucuronate interconversions
Pyruvate metabolism
C5-Branched dibasic acid metabolism
Glycine; serine and threonine metabolism
Tyrosine metabolism

Supplementary Data 5. microRNA Targeting of the Different Node Types

Upstream Nodes
R01004a
R04771a
R01579b
R02973a
R03875a
R03161a
R07833a
R05586a
Cut Points
R05980a
R01960a
R00084a
R06128a
R04867a
R04230a
R02055a
R05973a
R06908a
R02978a
R05987a
R02155a
R04639a
R05989a
R06259a
R06263a
R05555a
R06238a
R05984a
R03055a
R05046a
R05979a
R01802a
R00428a
R07808a
R03430a
R06258a
R05983a
R01799a
R05981a
R03220a

(Supplementary Data 5) contd.,...

Cut Points
R05988a
R02082a
R04936a
R02199b
R02199a
R06127a
R01415a
R03284a
R05800a
R05985a
R05982a
R04866a
R01090b
R05801a
R05048a
R06261a
R01281a
Hubs
R00243b
R00945b
R02569a
R00351b
R00352a
R00362a
R00351a
R00243a
R00352b
R00355a
R00945a
R00248a
R00256a
R01015a
R00945c
R00248b
R00344a
R02396a
R00355b
Intermediate Nodes
R01521a
R01648a
R00157a

(Supplementary Data 5) contd.,...

Intermediate Nodes
R02740a
R02269a
R02549a
R00702a
R02873a
R01350a
R00842a
R02874a
R00978a
R07764a
R01271a
R02051a
R01529b
R01224a
R07377a
R01676a
R04858a
R01201a
R00551a
R00946a
R00566a
R03469a
R07762b
R00768a
R03595a
R07936a
R00894b
R01310a
R01072b
R00267a
R00618a
R00512a
R02142a
R05990a
R00291a
R01214a
R00946b
R00178a
R01529a
R01321a
R02765a
R04513a

(Supplementary Data 5) contd.....

(Supplementary Data 5) contd.....

Intermediate Nodes
R01026a
R01890a
R00256c
R00289a
R01074a
R04097a
R02433a
R01859a
R02240a
R07952a
R00851b
R00268a
R01132a
R00158a
R01071a
R04188a
R00713b
R00875a
R03479a
R00177a
R02765b
R06871a
R00405b
R07168a
R01234a
R01072a
R02269b
R02571a
R03428a
R00344b
R00256b
R01899a
R00582a
R00089a
R00670a
R03915a
R03425a
R04404a
R00713a
R00896a
R00192a
R00261a

Intermediate Nodes
R01811a
R01056b
R02736b
R02736a
R00191a
R01021a
R02872a
R00104a
R00475a
R00289b
R02058b
R00848a
R00489a
R00267b
R04951a
R07760a
R01351a
R01201b
R01090a
R03394a
R00945d
R02085a
R01665a
R06223a
R01280a
R00894a
R00178b
R00899a
R00908a
R01520a
R05556a
R02570a
R05145a
R01666a
R01214b
R00185a
R01015b
R01056a
R02824a
R01214c
R01819a
R03433a

(Supplementary Data 5) contd.,.,.,.

Intermediate Nodes
R00405a
R02662a
R03174a
R02757a
R07758a
R03321a
R05986a
R07762a
R00768b
R02739a
R00746a
R01021b
R02058a
R00851a
Downstream Nodes
R02480a
R02746a

(Supplementary Data 5) contd.,.,.,.

Downstream Nodes
R03654a
R03416a
R07881a
R00890a
R05052a
R02619a
R03652a
R03429a
R06872a
R03718a
R00259a
R03720b
R01402a
R01384a
R03689a
R03534a
R00887a
R03720a

Note: KEGG reaction IDs are used for the node names.

Supplementary Data 6. Enrichment Analysis of miRNA Regulation of Pathways

	Pathway Name	Reaction	miRNA-Targeted Reaction	P-Value	FDR Corrected P-Value
1	Inositol phosphate metabolism	25	11	8×10^{-4}	0.14
2	Glycerophospholipid metabolism	28	18	$< 2 \times 10^{-4}$	$< 2 \times 10^{-4}$
3	Methane metabolism	3	3	0.01	0.14
4	N-Glycan biosynthesis	33	23	$< 2 \times 10^{-4}$	$< 2 \times 10^{-4}$
5	Glutamate metabolism	25	13	2×10^{-3}	0.04
6	D-Glutamine and D-glutamate metabolism	3	3	0.01	0.14

Note: FDR corrected P values (< 0.25) are regarded as significant.