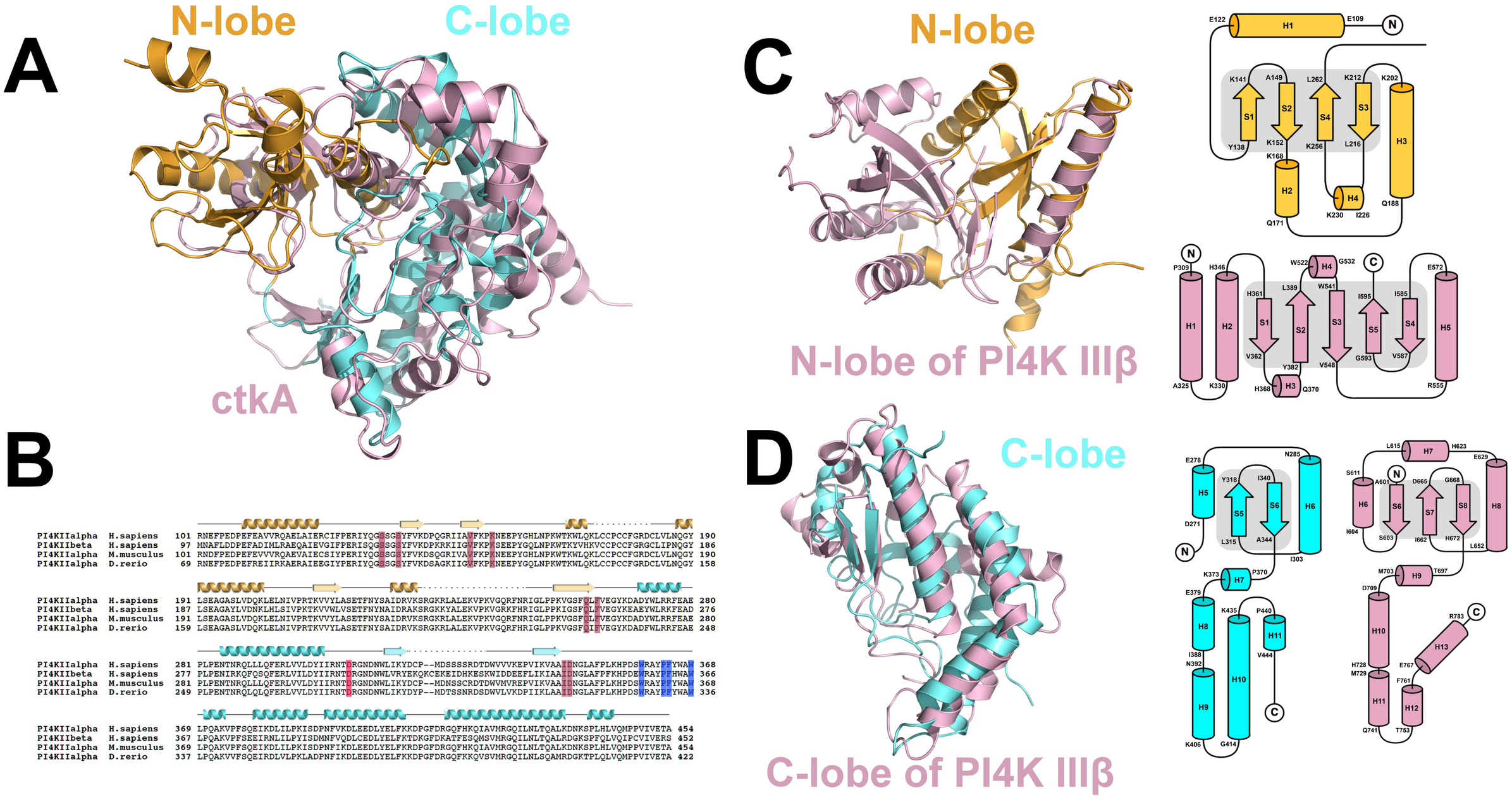
A
N-lobe
C-lobe
ctkA
B
PI4KIIalpha H.sapiens 101 RNEFPEDPEFEAVVRQAELAIERCIFPERIYQGSSGSYFVKDPQGRIIAVFKPKNEEPYGHLNPKWTKWLQKLCCPCCFGRDCLVLNQGY 190
PI4KIIbeta H.sapiens 97 MNAFLDDPEFADIMLRAEQAIEVGIFPERISQGSSGSYFVKDPKRKIIGVFKPKSEEPYGQLNPKWTKYVHKVCCPCCFGRGCLIPNQGY 186
PI4KIIalpha M.musculus 101 RNDFPEDPEFEVVVRQAEVAIECSIYPERIYQGSSGSYFVKDSQGRIVAVFKPKNEEPYGHLNPKWTKWLQKLCCPCCFGRDCLVLNQGY 190
PI4KIIalpha D.rerio 69 RNEFPEDPEFREIIRKAERAIEEGIYPERIYQGSSGSYFVKDSAGKIIGVFKPKNEEPYGQLNPKWTKWLQKLCCPCCFGRDCLVLNQGY 158
PI4KIIalpha H.sapiens 191 LSEAGASLVDQKLELNIVPRTKVVYLASETFNYSAIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGSFQLFVEGYKDADYWLRRFEAE 280
PI4KIIbeta H.sapiens 187 LSEAGAYLVDNKLHLSIVPKTKVVWLVSETFNYNAIDRAKSRGKKYALEKVPKVGRKFHRIGLPPKIGSFQLFVEGYKEAEYWLRKFEAD 276
PI4KIIalpha M.musculus 191 LSEAGASLVDQKLELNIVPRTKVVYLASETFNYSAIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGSFQLFVEGYKDADYWLRRFEAE 280
PI4KIIalpha D.rerio 159 LSEAGASLVDQKLELNIVPRTKVVYLASETFNYSAIDRVKSRGKRLALEKVPKVGQRFHRIGLPPKVGSFQIFVEGYKDADFWLRRFEAE 248
PI4KIIalpha H.sapiens 281 PLPENTNRQLLLQFERLVVLDYIIRNTDRGNDNWLIKYDCP--MDSSSSRDTDWVVVKEPVIKVAAIIDNGLAFPLKHPDSWRAYPFYWAW 368
PI4KIIbeta H.sapiens 277 PLPENIRKQFQSQFERLVILDYIIRNTDRGNDNWLVRYEKQKCEKEIDHKESKWIDDEEFLIKIAAIIDNGLAFPFKHPDEWRAYPFHWAW 366
PI4KIIalpha M.musculus 281 PLPENTNRQLLLQFERLVVLDYIIRNTDRGNDNWLIKYDCP--MDNSSCRDTDWVMVREPVIKVAAIIDNGLAFPLKHPDSWRAYPFYWAW 368
PI4KIIalpha D.rerio 249 PLPENTNRQLQLQFERLVVLDYIIRNTDRGNDNWLIKYDYP--MDTSSNRDSDWVLVKDPIIKLAAIIDNGLAFPLKHPDSWRAYPFYWAW 336
PI4KIIalpha H.sapiens 369 LPQAKVPFSQEIKDLILPKISDPNFVKDLEEDLYELFKKDPGFDRGQFHKQIAVMRGQILNLTQALKDNKSPLHLVQMPPVIVETA 454
PI4KIIbeta H.sapiens 367 LPQAKVPFSEEIRNLILPYISDMNFVQDLCEDLYELFKTDKGFDKATFESQMSVMRGQILNLTQALRDGKSPFQLVQIPCVIVERS 452
PI4KIIalpha M.musculus 369 LPQAKVPFSQEIKDLILPKISDPNFIKDLEEDLYELFKRDPGFDRGQFHKQIAVMRGQILNLTQALKDNKSPLHLVQMPPVIVETA 454
PI4KIIalpha D.rerio 337 LPQAKVVFSQEIRDLVLPKLADPNFIKDLEEDLYELFKKDPGFDRGQFKKQVSVMRGQILNLSQAMRDGKTPLQLVQMPPVIVETA 422
C
N-lobe
N-lobe of PI4K IIIβ
D
C-lobe
C-lobe of PI4K IIIβ