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-----*
>P1;2hyd
structureX:2hyd:1:A:578:B:. : :
-----MIKRYLQFVKPYK
YRIFATIIIVGIIKFGIPMLIPLL-----IKY AIDGVINNHALT
TDEKVHHLTIAIGIALFIFVIVRPPI---EFIRQYLAQWTSNKILYDIRK
KLYNHLQALSARFYANNQVGQVISRVINDVEQTKDFILTGLMNIWLDCIT
IIIALS IMFFLDVKLTLAALFIFPFYILTVYVFFGRLRKLTRERSQALAE
VQGFLHERVQGISVVKSF AIEDNEAKNFDKKN TNFLTRALKHTRWNAYSF
AAINTVTDIGPIIVIGVGAYLAISGSITVGT LAAFVGYLELLFGPLRRLV
ASFTTTLTQSFASMDRVFQLIDE--DYDIKNGVGAQPIEIKQGRIDIDHVS
FQY-NDNEAPILKDINLSIEKGETVAFVGMSSGGKSTLINLIPRFYDVT S
GQILIDGHNIKDFLTGSLRNQIGLVQQDNILFSDTVKENILLGRPTATDE
EVVEAAKMANAHDFIMNLPQGYDTEVGERGVKLSGGQKQRLSIARIFLNN
PPILILDEATSALDLESESI IQEALDVLSKDRTTLIVAHRLSTITHADKI
VVIENGHIVETGTHRELI AKQGAYEHLYSIQ-----
-----NL-----MIKRYLQFV
KPKYKRI--FATIIIVGIIKFGIPMLIPLLIK Y AIDGVINNHALT TDEKVH
HLTIAIGIALFIFVIVRPPIEFIRQYLAQWTSNKILYD-IRKKLYNHLQA
LSARFYAN--NQVGQVISRVINDVEQTKDFILTGLMNIWLDCITIIIALS
IMFFLDVKLTLAALFIFPFYILTVYVFFGRLRKLTRERSQALAEVQGFLH
ERVQGISVVKSF AIEDNEAKNFDKKN TNFLTRALKHTRWNAYSFAAINTV
TDIGPIIVIGVGAYLAISGSITVGT LAAFVGYLELLFGPLRRLVASFTTTL
TQSFASMDRVFQLIDED--YDIKNGVGAQPIEIKQGRIDIDHVSFQYNDN
-EAPILKDINLSIEKGETVAFVGMSSGGKSTLINLIPRFYDVTSGQILID
GHNIKDFLTGSLRNQIGLVQQDNILFSDTVKENILLGRPT--ATDEEVVE
AAKMANAHDFIMNLPQGYDTEVGERGVKLSGGQKQRLSIARIFLNNPPIL
ILDEATSALDLESESI IQEALDVLSKDRTTLIVAHRLSTITHADKIVVIE
NGHIVETGTHRELI AKQGAYEHLYSIQNL-----*

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**Second round modeling for HsABCB1 based on the first round model (sele2)**

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>P1;HsABCB1
sequence:HsABCB1:1:::1280::: : :
MDLEGDRNGGAKKKNFFKLNKSEKDKKEKKPTVSVFSMFRYSNWLDKLY
MVVGTAAAIHGAGLPLMMLVFGEMTDIFANAGNLEDLMSNITNRS DIND
TGFFMNLEEDMTRYAYYYSGIGAGVLVAAYIQVSFWCLAAGRQIHKIRKQ
FFHAIMRQEIGWFDVHDVGE LNTRLTDDVSKINEGIGDKIGMFFQSMATF
FTGFIVGFTRGWKLT LVILAI SPVLGLSAAVWAKILSSFTDKELLAYAKA
GAVAEVLA AIRT VIAFGGQKKE LERYNKNLEEAKRIGIKKAITANISIG
AAFLLIYASYALAFWYGTTLVLSGEYSIGQVLT VFFSVLIGAFSVGQASP
SIEAFANARGAAYE IFKI IDNKPSIDSYSKSGHKPDNIKGNLEFRNVHFS
YPSRKEVKILKGLNLKVQSGQTVALVGNSSGCGKSTTVQLMQRLYDPTEGM
VSDGQDIRTINVRFLREIIGVVSQEPVLFATTIAENIRYGRENVTMDEI
EKAVKEANAYDFIMKLPKFDTLVGERGAQLSGGQKQRIAIARALVRNPK
ILLLDEATSALDTESEAVVQVALDKARKGRTTIVIAHRLSTVRNADV IAG
FDDGVIVEKGNHDELMKEGIYFKLVTMQTAGNEVELENAADESKSEIDA
LEMSSNDSRSSLIRKRSTRRSVRGSQAQDRKLS TKEALDESIPPVFWRI
MKNLNT EWPFVVGVFCAI INGGLP AF AIFSKIIGVFTRIDDPETKRQ
NSNLF SLLFLALGIISFITFFLQGF TFGKAGEILTKRLRYMVF RSM LRQD
VSWFDDPKNTTGALTTRLANDAAQVKGAIGSRLAVITQNIANLGTGIIIS

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VSWFDDPKNTTGALTTRLANDAAQVKGAIGSRLAVITQNIANLGTGIIIS  
FIYGWQLTLLLLLAIVPIIAIAGVEMKMLSGQALKDKKELEGAGKATEA  
IENFRTVVSLTQEQKFEHMYAQLQVPYRNSLRKAHIFGITFSFTQAMMY  
FSYAGCFRFGAYLVAHKLMSFEDVLLVFSVAVFGAMAVGQVSSFAPDYAK  
AKISAAHIIMIIEKTPLIDSYSTEGLMPNTLEGNVTFGEVVFNYPTRPDI  
PVLQGLSLEVKKGQTLALVGSSGCGKSTVVQLLERFYDPLAGKVLLDGKE  
IKRLNVQWLRHLGIVSQEPILFDCSIAENIAYGDNSRVVSQEEIVRAAK  
EANIHFIESLPNKYSTKVGDKGTQLSGGQKQRIAIARALVRQPHILLD  
EATSALDTESEKVVQEALDKAREGRTCIVIAHRLSTIQNADLIVVFQNGR  
VKEHG