

$\alpha 1$ $\alpha 2$ $\beta 1$ $\alpha 3$ $\eta 1$ $\beta 2$ TT

 RNase1 ---KESRAKKFQRQHMDSDSSP-SSSSTYCNQMMRRRNMTQG-RCKPVNTFVHEPLVDVQNVCFQEKVTCCKNG
 RNase2 KPPQFTWAQWFETQHINMTSQQCTNAMQVINNYQRR-----CKNQNTFLLLTFANVVNVCGNPNTCPSN
 RNase3 RPPQFTRAQWFAIQHISLNPPRCTIAMRAIINNYRWR-----CKNQNTFLRTTFANVVNVCGNQSIKCPHN
 RNase5 ---QDNSRYTHFLTQHYDAKPQ--GRDDRYCESIMRRRGLTSP--CKDINTFIHGKRSIRKAIENKNGNPH--
 RNaseA1 ----VPTYQDFLRTHVDFPKTSFPNIAAYCNVMMVRRGINVHGRCKSLNTFVHTDPRNLNTLCINQPN-----
 RNaseA2 ----VPTYQDFLYKHMDFPKTSFPSNAAAYCNVMMVRRGMTAHGRCKSFNTFVHTDPRNLNTLCINQPD-----
 RNase7 KPKGMTSSQWFKIQHMQSPSPQACNSAMKNINKHTKR-----CKDLNTFLHEPFSSVAATCQTPKIACKNG
 RNase8 KPKDMTSSQWFKTQHVQSPSPQACNSAMSIINKYTER-----CKDLNTFLHEPFSSVAITCQTPNIACKNS
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$\beta 3$ $\beta 4$ TT TT $\beta 5$ $\beta 6$

 RNase1 --QGNCYKSNSSMHITDCRLTNGS--RYPNCAYRTSPKERHIIVACEGSP-----YVPVHFDASVEDST
 RNase2 KTRKNCHHSGSQVPLIHCNLTTPSPQNISNCRYAQTPANMFYIVACDNRDQRRDPQYPVVPVHLDRII----
 RNase3 RTLNNCHRSRFRVPLIHCNLTTPSPQNISNCRYADRPGRFRFYVACDNRDPR--DSPRYPVVPVHLDTTI----
 RNase5 --RENLRISKSSFQVTTCKLHGG--PWPPCQYRATAGFRNVVACENG-----LPVHLDQSIFFRP
 RNaseA1 ---RALRTTQQQLPVTDCKLIR---SHPTCSYTGQFNHRVRVGCWGG-----LPVHLDGTFP---
 RNaseA2 ---QALRTTRRHFRITDCKLIR---SHPTCRYSGNQFNRRVRVGCRCG-----LPVHLDGTSP---
 RNase7 --DKNCHOSHGPVSLTMCKLTSG---KYPNCRYKEKRONKSYVVAIKPPQKK--DSQQFHLVPVHLDRLV----
 RNase8 --CKNCHQSHGPMSLTMGELTSG---KYPNCRYKEKHLNTPYIVACDPPQGG--DPG--YPLVPVHLDKVV----
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