

[illegible]

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Trubripossyt5a	YKKCFNKGKKPKKVRERKGGRRKKDKD-GEEGGEGEKKEGEE-----G--KEEEEKEFFGKLEYTLTDYNFTDNLIVGILQAQDLAAMDGGTSDPYVKVYMLPDKKKKFE
Trubripossyt5b	FKKCFGKKKKPKTVRERKVGRRRKEKEGE-GES-GEKPEGEVKK-----G-TEEEKEQEKLGLKLESLDYNFTEAQLIVGILQAQDLAAMDGGTSDPYVKVFLPDKKKKYE
Tnigroviridissyt5a	YKKCCNKGKKPKKARERKAGRRKKDKD-GEEGD-EKKEGEE-----G--KEEEEKEFFGKLEYTLTDYNFTDNLIVGILQAQDLAAMDGGTSDPYVKVYMLPDKKKKFE
Tnigroviridissyt5b	-----
Gaculeatussy5avar1	YRKCCKNKGKKPKKVRERKGGRRKKDKD-GEEGED--KKEGED-----G--KEDEEKENFGKLEYSLDYNFNDNQLIVGILQAQDLAAMDGGTSDPYVKVYMLPDKKKKFE
Gaculeatussy5avar2	YRKCCKNKGKKPKKVRERKGGRRKKDKD-GEEGED--KKEGED-----G--KEDEEKENFGKLEYSLDYNFNDNQLIVGILQAQDLAAMDGGTSDPYVKVYMLPDKKKKFE
Gaculeatussy5b	FKKCFAKKKKKPKKVRERKTGRRKKEKEGE-GEG-GEKPEGDVKKP-----G-DEEEKEQEKLGRLEFSLDYNFTDAQLIVGILQAQDLAAMDGGTSDPYVKVYLLPDKKKKYE
Olatipessyt5avar1	YKCCVNGKGGPKKTRERKGGRRKKDKD-GEEGEE--KKEGEE-----G-KEEEKESLGLKLEYSLDYNFTDNLIVGILQAQDLPAMDGGTSDPYVKVYMLPDKKKKFE
Olatipessyt5avar2	YKCCVNGKGGPKKTRERKGGRRKKDKD-GEEGEE--KKEGEE-----G-KEEEKESLGLKLEYSLDYNFTDNLIVGILQAQDLPAMDGGTSDPYVKVYMLPDKKKKFE
Olatipessyt5b	FKKCFGKKKKPKKVRERKTGRRRKTEKEGE-GEP-GEKPEGEVKK-----GGEEEKEQEKLGLKLEFSLDYNFTDSQLIVGILQAQDLAAMDGGTSDPYVKVFLPDKKKKYE
Dreriosyt5avar1	YKKCLGGKKKTKKVRERKGGRRRMKKEGE-EEAGEE---QPK-----G--EGEGEKEYYGKLEYTLTDYNFTENQLIVGILQAQDLPAMDIGGTSDPYVKVYMLPDKKKKFE
Dreriosyt5avar2	YKKCLGGKKKTKKVRERKGGRRRMKKEGE-EEAGEE---QPK-----G--EGEGEKEYYGKLEYTLTDYNFTENQLIVGILQAQDLPAMDIGGTSDPYVKVYMLPDKKKKFE
Dreriosyt5b	FKKCFGKKKKKKARERKRAARKKVEGTE-GEQGGEKDEGEKK-----EGEEQKEHENLGLKLEFSLDYNFTDAQLIVGILQAQDLAAMDIGGTSDPYVKVYLLPDKKKKFE
Xtropicalissyt5	CKKCCGKKKKGKGGKDKVKAQINMKKEVKELGKSYYIDKVVQPDVEDLDPSLLDVKDEKPEQELGKLQYSLDYDFQTGQLLVGGIIQAADLPALDIGGTSDPYVKVYLLPDKKKKYE
Acarolinensissyt5	CKKCFGKKKKGKGGKDKGKAQINMKKEVKELGKSYYIDKVVQPEVEDLDPSLLQEPKEKPEQELGKLQYSLDYDFQSTQLLVGGIIQAADLPALDIGGTSDPYVKVFLPDKKKKYE
OanatinusSyt5	CKKCCGRKKGKK--AKGKAQIHLKEVKELGKSYYIDKVVQPEVEELGPELVGDGKPEKEPERLGRQLQYSLDYDFQSSQLLMVGVLQAADLAALDIGGTSDPYVKVFLPDKKKKHE
MmusculusSyt5	YRKRRCRRR--MGK-KSQAQAQVHLQEVKELGRSYYIDKVVQPEIEELDRSPSMPGQQVSDKHQLGRQLQYSLDYDFQTGQLLVGILQAQGLAALDLGGSSDPYVSVYLLPDKRRRHE
HsapiensSYT5var1	YRKSCRRR--TGK-KSQAQAQVHLQEVKGLGQSYIDKVVQPEVEELEPAPSGPGQQVADKHLELGRQLQYSLDYDFQSGQLLVGILQAMGLAALDLGGSSDPYVRVYLLPDKRRRYE
HsapiensSYT5var2	CRKDSRTPPPCSR-SPQPRGLHRPTRLPTPVASATAQVQPEVEELEPAPSGPGQQVADKHLELGRQLQYSLDYDFQSGQLLVGILQAMGLAALDLGGSSDPYVRVYLLPDKRRRYE
HsapiensSYT5var3	YRKSCRRR--TGK-KSQAQAQVHLQEVKGLGQSYIDKVVQPEVEELEPAPSGPGQQVADKHLELGRQLQYSLDYDFQSGQLLVGILQAMGLAALDLGGSSDPYVRVYLLPDKRRRYE

