tw

2R HLH basic

Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	MMSTRSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQQAYVHSSHYI H MMSTRSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQQAYVHSSHYI H MMSARSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSARSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSARSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSTRSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSTRSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSTRSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSARSVSPKVLLDI SYKPTLPNI MELQNNVI KLI QVEQQAYMQSGYQLQ MMSARSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQQAYI QSGQYLQ - MSARSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQQAYI QSGQYLQ - MSARSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQHAYMQL MEQPT - MSTRSVSPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQHAYMQL MDQPT - MSARSASPKVLLDI SYKPTLPNI MELQHNVI KLI QVEQHAYMQL MDQPT	50 50 50 50 50 50 50 50 49 49
Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	QSPVHQHQSEYAA QSPVHQHQ	79 79 87 83 82 82 82 77 92 99 74

2R HLH basic

Dper		
Dper SNNQNVFDQQSVAGSGSSWNEHGKRARSSSDYDCQSG 166 Dpse SNNQNVFDQQSVAGSGSSWNEHGKRARSSSDYDCQSG 166 Dyak GNNPNGFDGQASSGSSWNEHGKRARSSGDYDCQTG 168 Dere GNNPSGFDGQASSGSSWNEHGKRARSSGDYDCQTG 164 DmelPB GNNPSGFDGQ	Dpse	129 133 129 128 128 128 128 121 138 137 140
Dipse SNNQNVFDQQSVAGSGSSWNEHGKRARSSSDYDCQSG 166 Dyak GNNPNGFDGQ	Dgri YGITELEDTDYNIPSNEVLSTSSNHSAQSSLELNNNNNQNNFEQQ	119
- DINOL - 1.7.7.7.7.4 O A LAIAH A A A CICIV A A A IO IF IO II LENE DIZIV DO DO O O O O O O O O O O O O	Dipse SNNQNVFDQQS	166 168 164 163 163 163 148 156 171 182

2R HLH basic

Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	GTLAMQPDHKKLLHQQQHQQQQHQQQQQQQQIYVDYLPTTVGTLAMQPDHKKLLHQQQHQQQQHQQQQQQQQIYVDYLPTTVGSLAMQPEHKKLIHQQQQQQQQHQQHIYVDYLPTTVGSLVMQPEHKKLIHQQQQQPQQ	208 208 204 203 199 199 197 185 195 209 228 234 218
Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	DEVASAQTCAGPQSTCTSPHSHFEFPDEELSEHKAQVFLPLYTNQHQPQ-DEVASAQTCAGPQSTCTSPHSHFEFPDEELSEHKAQVFLPLYTNQHQPQ-DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKTQVFLPLYNN DEVAAAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNN DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNNQQQQ DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNNQQQQ DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNNQQQQ DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNNQQQQ DEVASAQSCPGVQSTCTSPQSHFDFPDEELPEHKAQVFLPLYNNQQQQ DEVASAQACPGVQSTCTSPQSHFDFPDEELPEHKTQVFLPLYTNQQQQQ DEVASAQACPGVQSTCTSPHSHFDFPDEELPEHKTQVFLPLYTNQQQQQ	257 257 248 247 247 245 233 244 255 278 284 268

2R HLH basic

Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	QQATHQQQQQPQNTQLHFQNSYRQSFDGYEPANSLNGQQATHQQQQQPQNPQLHFQNSYRQSFDGYEPANSLNGQQQSQQQSHQQNHAQMHFQNAYRQSFEGYEPANSLNGSQQLQQQPHQQSHAQMHFQNAYRQSFEGYEPANSLNGSQQLQQQPHQQSHAQMHFQNAYRQSFEGYEPANSLNGSQQLQQQPHQQSHAQMHFQNAYRQSFEGYEPANSLNGSQQQQQQQPHQQSHAQMHFQNAYRQSFDGYEPANSLNGSQQQQQQQQPHQQSHAQ	295 295 286 284 285 285 283 271 282 297 315 334 312
Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	SAYSSSDRDDMEYVRHTALSSVSDLAAGGGVNGGGMSPACLADDGSSGSAYSSSDRDDMEYARHNGLSSVSDLAAGGGVNGGGMSPACLADDGSSGSAYSSSDRDDMEYARHNGLSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGGVMSPACLADDGSAGSAYSSSDRDDMEYARHNALSSVSDLNGG	343 343 328 326 327 327 325 313 323 347 358 377 356

2R HI H basic

	2R HLH basic	
Dper	SLLDGVDGAGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	393
Dpse	SLLDGVDGAGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	393
Dyak	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	378
Dere	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	376
DmelPB	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	377
DmelPA	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	377
Dsec	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	375
Dsim	SLLDGSDAGGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	363
Dana	SLLDG <mark>SDAG</mark> GKAFRKPRRRLKRKPSKTEDTDEFSNQRVMANVRERQRTQS	373
Dwil	MGGGGGGGAGKAFRKPRRRLKRKPSKSEDTDEFSNQRVMANVRERQRTQS	397
Dvir	SLLDAGDAAGKAFRKPRRRLKRKPSKTEETDEFSNQRVMANVRERQRTQS	408
Dmoj	SLLDAGDVTGKAFRKPRRRLKRKPSKSEETDEFSNQRVMANVRERQRTQS	427
Dgri	SL MDASDVAGKAFRKPRRRL KRKPSKTEETDEFSNQRVMANVRERQRTQS	406
Dper	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	443
Dpse	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	443
Dyak	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	428
Dere	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	426
DmelPB	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	427
DmelPA	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	427
Dsec	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	425
Dsim	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	413
Dana	LNDAFKALQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	423
Dwil	LNDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	447
Dvir	LNDAFKALQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA	458

LNDAFKALQQIIPTLPSDKLSKIQTLKLATRYIDFLCRMLSSSDISLLKA

NDAFKSLQQI I PTLPSDKLSKI QTLKLATRYI DFLCRMLSSSDI SLLKA

477

456

Dmoj

Dgri

2R HLH basic

Dper Dpse Dyak Dere DmelPB DmelPA Dsec Dsim Dana Dwil Dvir Dmoj Dgri	LEAQVSPMGSSSPYGAASTLLSAAANGADADLKCLRKANGAPIIPPE LEAQVSPMGSSSPYGAASTLLSAAANGADADLKCLRKANGAPIIPPE LEAQGSPSAYGSASSLLSAAANGAEADLKCLRKANGAPIIPPE LEAQGSPSAYGSASSLLSAAANGAEADLKCLRKANGAPIIPPE LEAQGSPSA	490 490 471 469 470 470 468 456 466 495 502 521 506
Dper	KLSYLFGVWRMEGDVQHQKA 510	
Dpse	KLSYLFGVWRMEGDVQHQKA 510	
Dyak	KLSYLFGVWRMEGDAQHQKA 491	
Dere	KLSYLFGVWRMEGDAQHQKA 489	
DmelPB	KLSYLFGVWRMEGDAQHQKA 490	
DmelPA	KLSYLFGVWRMEGDAQHQKA 490	
Dsec	KLSYLFGVWRMEGDAQHQKA 488	
Dsim	KLSYLFGVWRMEGDAQHQKA 476	
Dana	KLSYLFGVWRMEGDAQHQKA 486	
Dwil	KLSYLFGVWRMEGDAQHQKA 515	
Dvir	KLSYLFGVWRMEGDAQHQKA 522	
Dmoj	KLSYLFGVWRMEGDAQHQK- 540	
Dgri	KLSYLFGVWRMEGDAQHQKA 526	