

	1	10	20	30	40	50
Delphinapterus_leucas_VASP_X1	.MSETVV	CSRATVMEYDD	SNKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Bubalus_bubalis_VASP_X2	.MSETVV	CSRATVMEYDD	SNKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Microtus_ochrogaster_VASP_X1	.MSETVI	CSSRATVMEYDD	SNKRWLPAGP	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Ochotona_princeps_VASP	.MSETVV	CSRATVMEYDD	GKKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Pteropus_alecto_VASP_X6	.MSETVI	CSSRATVMEYDD	GKKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Homo_sapiens_VASP	MSSETVI	CSSRATVMEYDD	GKKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Felis_catus_VASP_X1	.MSETVI	CSSWATVMEYDD	TNKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Lynx_canadensis_VASP_X1	.MSETVI	CSSWATVMEYDD	TNKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Andrias_davidianus_predicted	..SESSI	CQARATVMEYDD	GKKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	
Astatotilapia_calliptera_VASP_X1	.MSESSI	CQARATVMEYDD	GKKRWLPAGT	GPOAFSRVQIYHNPTANS	FRVVGRKMOEDQQ	

	60	70	80	90	100	110
Delphinapterus_leucas_VASP_X1	VVINCAI	IRGVKYNQATPN	FHQWRDARQVWGLNFG	SKEDATQFAAGMASALEALEGGG	..	
Bubalus_bubalis_VASP_X2	VVINCAI	IRGVKYNQATPN	FHQWRDARQVWGLNFG	SKEDATQFANGMASALEALEGGG	..	
Microtus_ochrogaster_VASP_X1	VVINCAI	IRGVKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMASALEALEGGG	..	
Ochotona_princeps_VASP	VVINCAI	IRGVKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMAEALEALEGGA	..	
Pteropus_alecto_VASP_X6	VVINCAI	IRGLKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMASALEALEGGG	PP	
Homo_sapiens_VASP	VVINCAI	IRGVKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMASALEALEGGG	..	
Felis_catus_VASP_X1	VVINCAI	IRGIKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMASALEALEGGG	..	
Lynx_canadensis_VASP_X1	VVINCAI	IRGIKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAQFAAGMASALEALEGGG	..	
Andrias_davidianus_predicted	VVMNCP	IVKGLKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAALFANGMIHALEILNSSPDG		
Astatotilapia_calliptera_VASP_X1	VVINCP	IIRGLKYNQATPN	FHQWRDARQVWGLNFG	SKEDAAALFANGMSHALEVLNSMADA		

	120	130	140	150
Delphinapterus_leucas_VASP_X1	..PPPPP	TLPTAPP	TWSVQNGPSPPEEMEQQKRQQ	..SELMERER
Bubalus_bubalis_VASP_X2	..PPPPP	PPTAPP	TWSAQNGPSPPEEMEQQKRQQ	..SELMERER
Microtus_ochrogaster_VASP_X1	..PPPP	..APPA	TWSAQNGPSPPEEVEQQKRQ	..PEHMER
Ochotona_princeps_VASP	..PPGPP	..PPTPA	TWASQNGPSPPEELEQQKRQ	..PEHMER
Pteropus_alecto_VASP_X6	AA.PPPP	QP.PAGP	TWSVQNGPSPPEEAEQHKRQ	..PEHMER
Homo_sapiens_VASP	..PPPPP	..ALP	TWSVPNGPSPPEEVEQQKRQ	PPGPS
Felis_catus_VASP_X1	..PPPPP	..PAA	TWSVQNGPSPPEEVEQQKRQ	PPGPP
Lynx_canadensis_VASP_X1	..PPPPP	..PAA	TWSVQNGPSPPEEVEQQKRQ	PPGPP
Andrias_davidianus_predicted	GFSTRP	..	..VSNGPSPEELEQQKRLE	EQQRLE
Astatotilapia_calliptera_VASP_X1	GY.ATLPRP	..	..MSNGPSPPEELEQQKRLE	EQQRLE

	160	170	180	190	200
Delphinapterus_leucas_VASP_X1	..RVSNA	GPAAPP	AGGPPPPPPPPPPPPPPPPAPGL	SS	SGISAGGHGAGGGP
Bubalus_bubalis_VASP_X2	..RASNA	GPPAPP	AGAPPPPPPPPPPPPPPPPPGL	SS	SGVSAATQGAGGGP
Microtus_ochrogaster_VASP_X1	..RVSNA	..APPTQ	AGGPPPPPPPPPPPPPPPPGLP	PP	SGVSAAGHGAGGAP
Ochotona_princeps_VASP	..RVSNA	DWACSG	VGPPPPPPPPPPPPPPPPGLP	PP	SGVSAAGHGAGGGP
Pteropus_alecto_VASP_X6	..RVSNA	..GPPAPP	AGGPPPPPPPPPPPPPPPPGLP	PP	SGVSAVGHGAGGGP
Homo_sapiens_VASP	..RVSNA	..GPPAPP	AGGPPPPPPPPPPPPPPPPGLP	PP	SGVPAAHGAGGGP
Felis_catus_VASP_X1	..RVSNA	..GPPAPP	AGGPPPPPPPPPPPPPPPPGV	SP	SGVSAAGHGAGGGP
Lynx_canadensis_VASP_X1	..RVSNA	..GPPAPP	AGGPPPPPPPPPPPPPPPPGV	SP	SGVSAAGHGAGGGP
Andrias_davidianus_predicted	..	..	..	..	..
Astatotilapia_calliptera_VASP_X1	LE.RERQAA	..AVPP	APPAPP	LA	TGGFAPPPAPPPPPPPPPAPPP

	210	220	230	240	250	260
Delphinapterus_leucas_VASP_X1	PPAPPLPTAQQ	..	PSGGGTGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	LAP
Bubalus_bubalis_VASP_X2	PPAPPLPTAQQ	..	PSGGGTGAPSLASAIAGAKLRKVS	KQ	EEASAGP	VAP
Microtus_ochrogaster_VASP_X1	PPAPPLPTAQQ	..	PSGGGSATGLAAAIAGAKLRKVS	KQ	EEASGGP	LAP
Ochotona_princeps_VASP	PPAPPLPTAQQ	..	PSGGGTGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	LGP
Pteropus_alecto_VASP_X6	PPPPPLPTAAG	..	PSGGGTGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	SAP
Homo_sapiens_VASP	PPAPPLPTAAG	..	PGGGGAGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	SAP
Felis_catus_VASP_X1	PPAPPLPTAQQ	..	PSGGGTGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	SAP
Lynx_canadensis_VASP_X1	PPAPPLPTAQQ	..	PSGGGTGAPGLAAAIAGAKLRKVS	KQ	EEASGGP	SAP
Andrias_davidianus_predicted	..	..	..	..	..	..
Astatotilapia_calliptera_VASP_X1	PPAPPLPTSDG	GNGI	GGGGGAGGGLAAALAGAKLRKVS	KQ	DDGPSAP	QTP

	270	280	290	300	310
Delphinapterus_leucas_VASP_X1	RS	..	..	..	..
Bubalus_bubalis_VASP_X2	RS	..	..	..	..
Microtus_ochrogaster_VASP_X1	RS	..	..	..	..
Ochotona_princeps_VASP	RS	..	..	..	..
Pteropus_alecto_VASP_X6	RS	..	..	..	..
Homo_sapiens_VASP	RS	..	..	..	..
Felis_catus_VASP_X1	RS	..	..	..	..
Lynx_canadensis_VASP_X1	RS	..	..	..	..
Andrias_davidianus_predicted	..	..	..	..	..
Astatotilapia_calliptera_VASP_X1	RS	SNASIGGGG	GGGLMGEMSAI	LARRRKAADT	GEKPPVKP

	320	330	340	350	360
Delphinapterus leucas_VASP_X1	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAQPS	TPSSSDESDLERVKQELLEVRK
Bubalus bubalis_VASP_X2	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAHPP	TPSSSDESDLERVKQELLEVRK
Microtus ochrogaster_VASP_X1	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAHPP	APSSSDSDLERVKQELLEVRK
Ochotona princeps_VASP	RPWEKNS	...TTLPR	MKSSSSVAT	...SDVHPP	TPSSSDESDLERVKQELLEVRK
Pteropus alecto_VASP_X6	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAHAP	TPSAADESDLERVKQELLEVRK
Homo sapiens_VASP	RPWEKNS	...TTLPR	MKSSSSVTT	...SETQPC	TPSSSDYSDLQVVKQELLEVRK
Felis catus_VASP_X1	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAHPS	TPSSSDESDLERVKQELLEVRK
Lynx canadensis_VASP_X1	RPWEKNS	...TTLPR	MKSSSSVTT	...SEAHPS	TPSSSDESDLERVKQELLEVRK
Andrias davidianus_predicted	.....	.....	.....	.....	.....
Astatotilapia calliptera_VASP_X1	RPWEKPS	MIRN	NSIPKS	MDSTSSLSQ	VPRAKAASNNNEASGADDSDLEKMKQELILEVRK

	370	380
Delphinapterus leucas_VASP_X1	ELQKVKEEII	EAFVQELRKRGS
Bubalus bubalis_VASP_X2	ELQKVKEEII	EAFVQELRKRGS
Microtus ochrogaster_VASP_X1	ELQKMKEEII	EAFIQELRKRGS
Ochotona princeps_VASP	ELQKVKEEII	EAFVQELRKRGS
Pteropus alecto_VASP_X6	ELRKVKEEII	EAFVQELRKRGS
Homo sapiens_VASP	ELQKVKEEII	EAFVQELRKRGS
Felis catus_VASP_X1	ELQKVKEEII	EAFVQELRKRGS
Lynx canadensis_VASP_X1	ELQKVKEEII	EAFVQELRKRGS
Andrias davidianus_predicted	.....	.....
Astatotilapia calliptera_VASP_X1	ELQKVKEEII	GAFIQELQKRST