

Consensus	1	10	20	30	40	50	60	70	80	90	100	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADXTPRVYVWRNI IAFAYLHJAAXYGFYLLXLVSAKWQTDIFAYXLVYVASGLGITAGAHRLWAHKS YKAKWPLRVI
									+ intron 1 (0)			
Cher_desat1	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADGTPRVYVWRNI IAFAYLHIAADYGFYLFLLVSAKWQTDIFAYLLYVASGLGITAGAHRLWAHKS YKAKWPLRVI											
Cobl_desat1	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADGTPRVYVWRNI IAFAYLHIAAVYGFYLFLLVSAKWQTDIFAYLLYVASGLGITAGAHRLWAHKS YKAKWPLRVI											
Poct_desat1	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADS TPRVYVWRNI IAFAYLHLAAVYGFYLLLVSAKWQTDIFAYLLYVASGLGITAGAHRLWAHKS YKAKWPLRVI											
PexcN_desat1	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADS TPRVYVWRNI IAFAYLHLAAVYGFYLFLLVSAKWQTDIFAYFLYVASGLGITAGAHRLWAHKS YKAKWPLRVI											
PexcS_desat1	MAPNVTEENGVL FESDAVTPDLAMARAPVQQADS TPRVYVWRNI IAFAYLHLAAVYGFYLFLLVSAKWQTDIFAYFLYVASGLGITAGAHRLWAHKS YKAKWPLRVI											
Consensus	110	120	130	140	150	160	170	180	190	200	210	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYLJLMPLACFVLP TVXPVYLWXETWT
		+ intron 2 (0)							+ intron 3 (2)			
Cher_desat1	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYL ILMPLACFVLP TVMPVYLWG ETTWT											
Cobl_desat1	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYL ILMPLACFVLP TVMPVYLWG ETTWT											
Poct_desat1	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYL LLMPLACFVLP TVIPVYLWSE TWT											
PexcN_desat1	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYL LLMPLACFVLP TVIPVYLWSE TWT											
PexcS_desat1	LTLFNTIAFQDSAIDWARDHRMHHKYS ETDADPHNATRGGFFFSHIGWLLVRKHPELKRKGKGLDLSDLYADPILRFQKKYYL LLMPLACFVLP TVIPVYLWSE TWT											
Consensus	220	230	240	250	260	270	280	290	300	310	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVXXTIVQQRV	
Cher_desat1	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVSG TIVQQRV											
Cobl_desat1	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVSD TIVQQRV											
Poct_desat1	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVPDTIVQQRV											
PexcN_desat1	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVSD TIVQQRV											
PexcS_desat1	NAFFVAALFRYTFILNVTWLVNSAAHKWGD KPYDKDIKPS ENMSVSLFAFGEGFHNYHHTFPWDYKTAELGNHRLNFTTKFINFFAKLGWAYDMK TVSD TIVQQRV											
Consensus	320	330	340	350	353	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *						
Cher_desat1	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *											
Cobl_desat1	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *											
Poct_desat1	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *											
PexcN_desat1	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *											
PexcS_desat1	KRTGDGSHHLWG WGDKDHAQEEINAAIR INPKDD *											