

Consensus	1	10	20	30	40	50	60	70	80	90	100	MPXNS EETXLXEXEXXKLVAPQAA XR XHÉLA IXPXSLFTYWHXXGLYGLXLI FXXAKWQT XVFTJFXYNAGILGITAGX HRLWAHKTYKAKRPLEXLLMXFHSXT		
												+ intron 1 (1)		
Cobl_desat5	MPS	NSEETL	QEK	EVYEKLVAPQAA	PRKH	ELAILP	VSLFTYWHVAGLYGLCL	IFTAAK	WQTLVFTL	FMYNAGILGITAGAH	HRLWAHKTYKAKRPLE	IILLMI	FHSM	T
Pnot_desat5	MPP	NSEETV	IRET	EDYVKLVAPQAA	ARIH	ELAILV	PLSLFTYWHITGLYGLYL	IFTEAK	WQTVVFTL	IFMYNAGILGITAGS	HRLWAHKTYKAKRPLE	TLLMI	FHSL	T
Poct_desat5	MPP	NSEETV	ICEK	EDHEKLVAPQAA	TRKH	ELAILV	ISLFTYWHVAGLYGLYL	IFAEAK	WQTVVFTL	FTYNAGILGITAGS	HRLWAHKTYKAKRPLE	TLLMV	FHSL	T
PexcN_desat5	MPP	NSEETV	ICEK	EDHEKLVAPQAA	TRKH	ELAILV	ISLFTYWHVAGLYGLYL	IFAEAK	WQTVVFTL	FTYNAGILGITAGS	HRLWAHKTYKAKRPLE	TLLMV	FHSL	T
PexcS_desat5	MPP	NSEETV	ICEK	EDHEKLVAPQAA	TRKH	ELAILV	ISLFTYWHVAGLYGLYL	IFAEAK	WQTVVFTL	FTYNAGILGITAGS	HRLWAHKTYKAKRPLE	TLLMV	FHSL	T
Consensus	110	120	130	140	150	160	170	180	190	200	210	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLXRSXTIDMSDIYNNPVLRFQKNYGLPVXXXFA YXLPXLIPMYXW XZTXNXAWHINLL		
												+ intron 2 (2)	+ intron 3 (2)	
Cobl_desat5	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLKRS	NTIDMSDIYNNPVLRFQKNYGLPVITFFAYL	LLPTLIPMYFWNQTFNTAWHINLL											
Pnot_desat5	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLRRSQ	TIDMSDIYNNPVLRFQKNYGLPVVALFAYILPALIPMYCWEETLNNAWHINLL												
Poct_desat5	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLRRSK	TIDMSDIYNNPVLRFQKNYGLPVITLFA YVLPALIPMYCWEETLNNAWHINLL												
PexcN_desat5	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLRRSK	TIDMSDIYNNPVLRFQKNYGLPVITLFA YVLPALIPMYCWEETLNNAWHINLL												
PexcS_desat5	SQNTVRHWARDHRFH HKYSDTDADPHNATR GF FFYSHVGVLLVKKHP EVLRRSK	TIDMSDIYNNPVLRFQKNYGLPVITLFA YVLPALIPMYCWEETLNNAWHINLL												
Consensus	220	230	240	250	260	270	280	290	300	310	RIIANLHASCLVNSAAHA FGNKPYDKXIAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN NXLNXTTJFIDFXA XVGXAXDLKXXSDX MVEARAKRTGXXXXX			
Cobl_desat5	RIIANLHASCLVNSAAHA FGNKPYDKR	IAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN	NWLNLT	TTIFIDFCAGVGLACDLKIVSDDMV	EARAKRTG?????									
Pnot_desat5	RIIANLHASCLVNSAAHA FGNKPYDKH	IAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN	RLNLT	TTLFIDFFAWVGWAYDLKTVSDGM	VEARAKRTGDGTNL									
Poct_desat5	RIIANLHASCLVNSAAHA FGNKPYDKH	IAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN	WLNMT	TTLFIDFFAWVGWAYDLKTA SDGM	VEARAKRTGDGTNL									
PexcN_desat5	RIIANLHASCLVNSAAHA FGNKPYDKH	IAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN	WLNMT	TTLFIDFFAWVGWAYDLKTA SDGM	VEARAKRTGDGTNL									
PexcS_desat5	RIIANLHASCLVNSAAHA FGNKPYDKH	IAA TQISTLSFITLGE CFHNYYHHVFPWDYRTAELGN	WLNMT	TTLFIDFFAWVGWAYDLKTA SDGM	VEARAKRTGDGTNL									
Consensus	320	330	340	350	358	XXX								
Cobl_desat5	??													
Pnot_desat5	WGWGDKDLGKGEKGV EEFYGWGDRDMKDTSGV RVYSQE*													
Poct_desat5	WGWGDEDLGR-EEGG EEFYGWGDRDMKDTSGV RVYSQE*													
PexcN_desat5	WGWGDEDLGRGEKGG EEFYGWGDRDMKDTSGV RVYSQE*													
PexcS_desat5	WGWGDEDLGRGEKGG EEFYGWGDRDMKDTSGV RVYSQE*													