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		10	20	30	40	
SEQ_ID_06/1-329	1	-----MSVLKKLVRTLKKKKDIPSEN-----				QEDIKPQEF 30
SEQ_ID_10/1-316	1	-----MKYFLLAKRHHKKYLKE-----				KKIFRNSTI 26
SEQ_ID_12/1-342	1	MPIYDIKAMNTPS--KQPLRERLHMMRRNRVRKRSVIALIKSHLDSSRY				48
SEQ_ID_14/1-323	1	-----MNAVERVRNILNYCINEVQMYRQCPNS-----				27
SEQ_ID_16/1-316	1	-----MLMRALRKMGRVAFDY-----				TNTTKDGA 28
		60	70	80	90	
SEQ_ID_06/1-329	31	GHIKHYHFWPLS--NETFFNQFAQEKNL--DLS-----				QTALISCFGEL 70
SEQ_ID_10/1-316	27	--SFYNFWEIEDYNNFWLQKFI-----				VDRNLNPKNKSINFFSVFGPR 67
SEQ_ID_12/1-342	49	--QDYNWWDASH--ASTFWLPRFI-----				DLHLEPK-KKINLFSFCQNP 86
SEQ_ID_14/1-323	28	--KYYNFWPCD--YNNNWFNHFVEHRLAKERH-----				RLNFFSVFGN- 66
SEQ_ID_16/1-316	29	--CYHNWWPCN--YEEWFHFRFV-VQNI GTERC-----				YHFFSVFGPR 66
		110	120	130	140	
SEQ_ID_06/1-329	71	SAIPKIPERYKVFFFTGENI-----				YHPDRISYSDPELYRMVDLYLG 111
SEQ_ID_10/1-316	68	YVLKKQKAAINIFFSGETMSRFK--KYH-----				DYCLPE----VDLALG 105
SEQ_ID_12/1-342	87	LMLIRYYKGVKIFLSGENLTNNEH--FGFHPRLDHRINE-----				VDLALG 130
SEQ_ID_14/1-323	67	PLLPRIIPGKKVFFFTGENLADN-----				SIH--SIGRAFKKTFPVYDLVLG 109
SEQ_ID_16/1-316	67	IALT-LPTPNKVFFCGENVHNAEWPYKSYQ----				DHALGD----VKLALG 107
		160	170	180	190	
SEQ_ID_06/1-329	112	FEYRTEP--KYLRFLWVW--YLCGLTKKPHFSHESIAEFIRKMNQPE				155
SEQ_ID_10/1-316	106	FDDLQHE--KYFRLPLWIL--DFF-----				EPTVDLEKAKEKQLNYYK 145
SEQ_ID_12/1-342	131	FEFRKDP--KYRFLWIYQNEFI-----				SPSASLEDICVLVGQINDPS 172
SEQ_ID_14/1-323	110	FDYEVEDSRVNYMRFLWIA--FLI-----				DPTADYQKIKETIERINDPS 152
SEQ_ID_16/1-316	108	YDDIQDE--RYIRFPLWLL--YMF----				DPVVDRYAIRERIEEINHAE 147
		210	220	230	240	
SEQ_ID_06/1-329	156	FRLQSSRNRFCSHISSHDTNGIRKRMIDLILPIASVDCAGKFMNNTDELK				205
SEQ_ID_10/1-316	146	NNKPIVREKFCSLIARHDENGIRKKIVNTLNPIETVDCAGKLFNNTARLQ				195
SEQ_ID_12/1-342	173	TRRSAKRSRFIGQISSHDKGGMRGLIDLSPIGQIDCAGKFRHNTDEL				222
SEQ_ID_14/1-323	153	TRLNASRDRFACLVASHDKTGIRQKLYDVLMPIASVTCPRFRQNNTNELH				202
SEQ_ID_16/1-316	148	N---TRKYECVLISRDHKWNMRGPIYDALKDHLAISGAGWKQNTDELW				193
		260	270	280	290	
SEQ_ID_06/1-329	206	AKFNDDKIDYLLKQYRFNLCPENSESVGYITEKIFESIMAGCIPITYWGGVK				255
SEQ_ID_10/1-316	196	TEFANNKVKFLFENYKFNLCPENTNQESYTTTEKIFESFAAGCIPITYWWSAQ				245
SEQ_ID_12/1-342	223	EYVGDDKFKYLANYRFNLCPENSLGEGYITEKIFDSIRAGCIPITYWGAY-				271
SEQ_ID_14/1-323	203	DLYANDKREYLLKFKFNVCPENSSTPGYITEKIFDSFASGCIPITYFGGGT				252
SEQ_ID_16/1-316	194	TVYNDDKPRYLKEFKFNLCPENFDTPYYVTEKIFEAFRSGTIPITYAGGGD				243
		310	320	330	340	
SEQ_ID_06/1-329	256	QLFVEPDILNPEAFI-YYEKGKEE--QLAKQVEELWISPKRYEEFAAIAP				302
SEQ_ID_10/1-316	246	K--PEPNIKFPSSII-FFDEFK-N--TLSEDVERLHKDPKLYLDFISQNP				289
SEQ_ID_12/1-342	272	--LEPGILNPKAIL-RFEEGKEQ--EFYNRVKELWENEEAYEQFILLEPP				315
SEQ_ID_14/1-323	253	EE-IEPDIVNQGAFIYWDGGRMD--WM-DTVRELWESPSAYRAVAEIPP				298
SEQ_ID_16/1-316	244	H--PEPEIVNRSALL-LWERGQSDHSALVQEVIRLARDEIYYDKFVHQVR				290
		360	370			
SEQ_ID_06/1-329	303	FKEDAAEVIYTWIEELEKRLRAFEPKA				329
SEQ_ID_10/1-316	290	FQDTAAEYIQTISNLELKLKEIINQA				316
SEQ_ID_12/1-342	316	FVEGAAERIWEILQGLRERLAPLVEEG				342
SEQ_ID_14/1-323	299	FKEQAADVITYAYMENLHDKLAAIVR--				323
SEQ_ID_16/1-316	291	LLPYTEEFVYEQFSSLKERLLQIRRG-				316

FIGURE 1

SUBSTITUTE SHEET (RULE 26)

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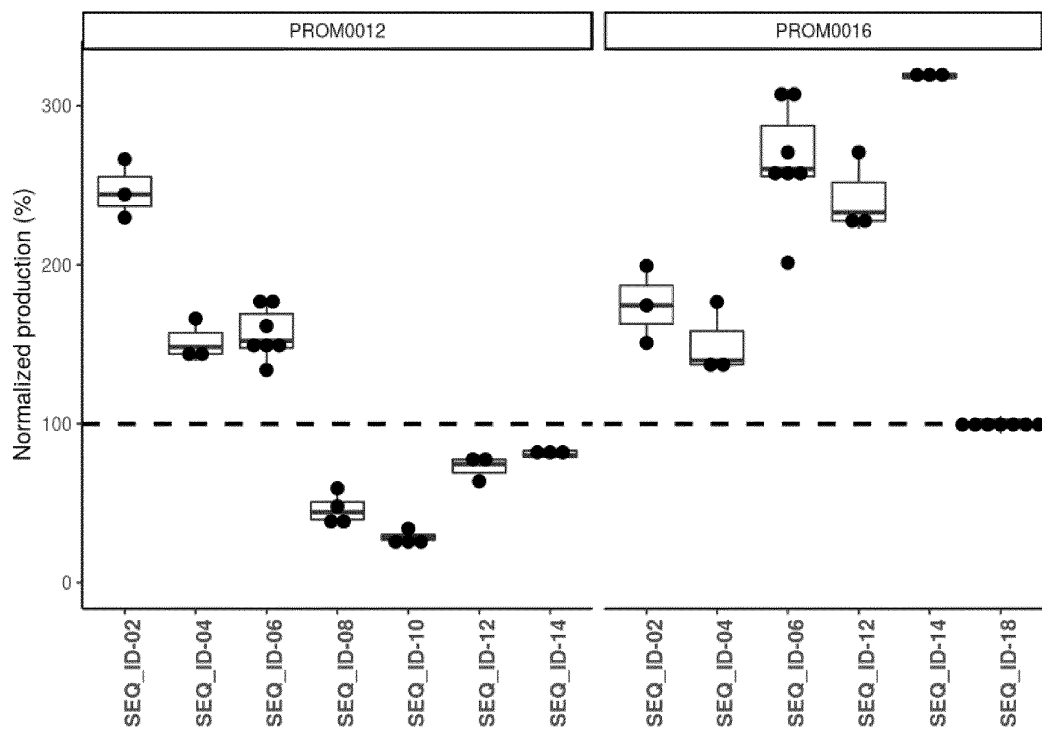


FIGURE 2

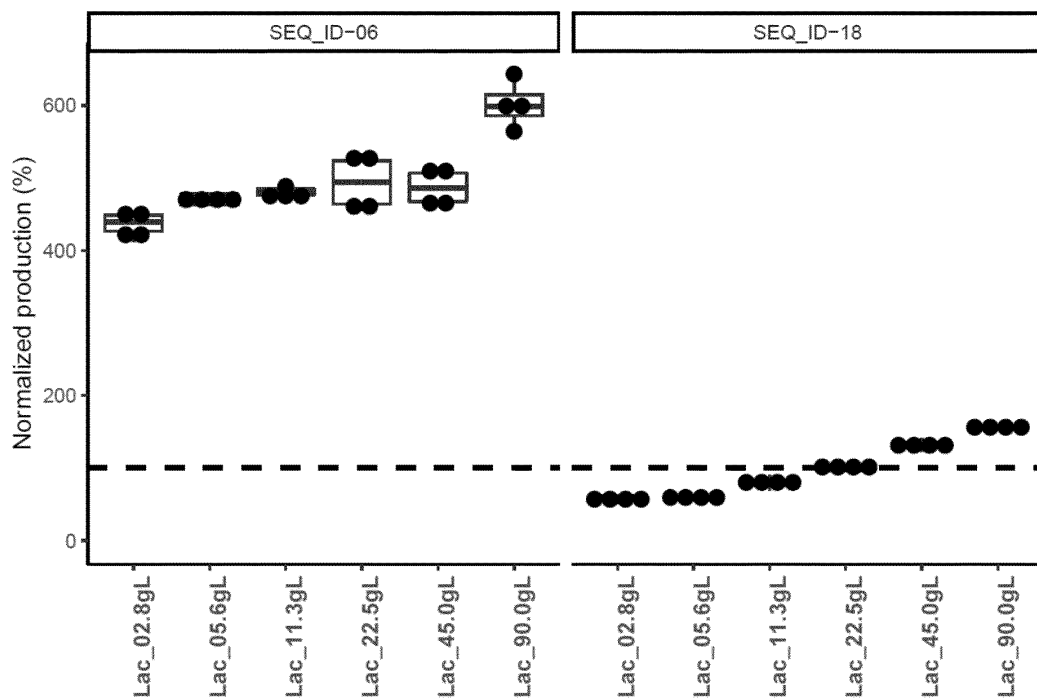


FIGURE 3

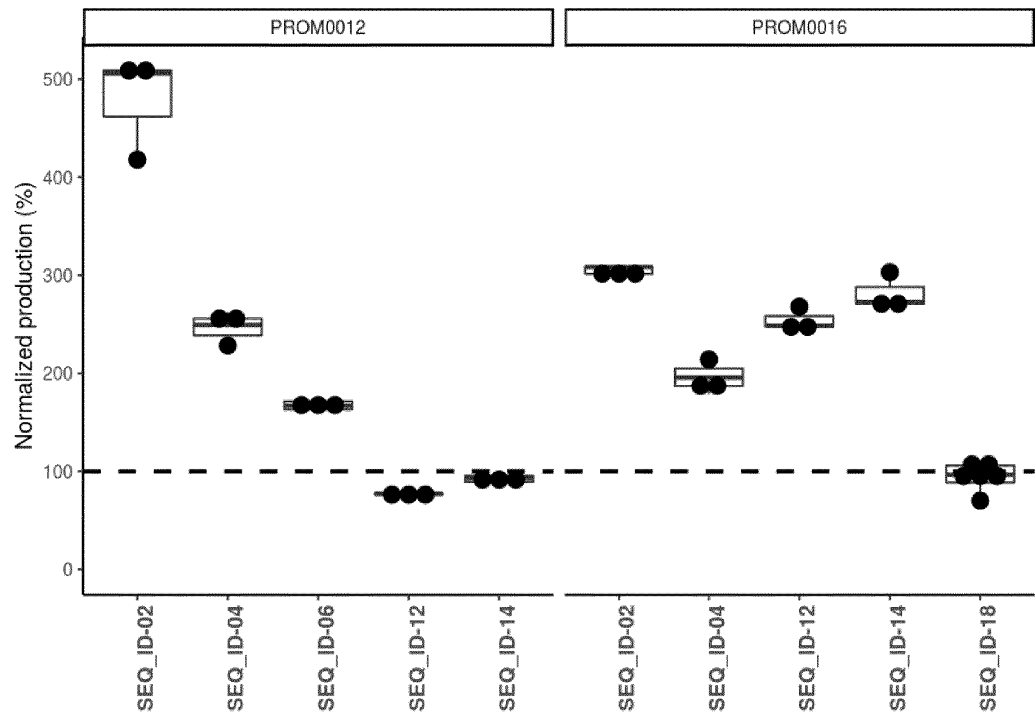


FIGURE 4

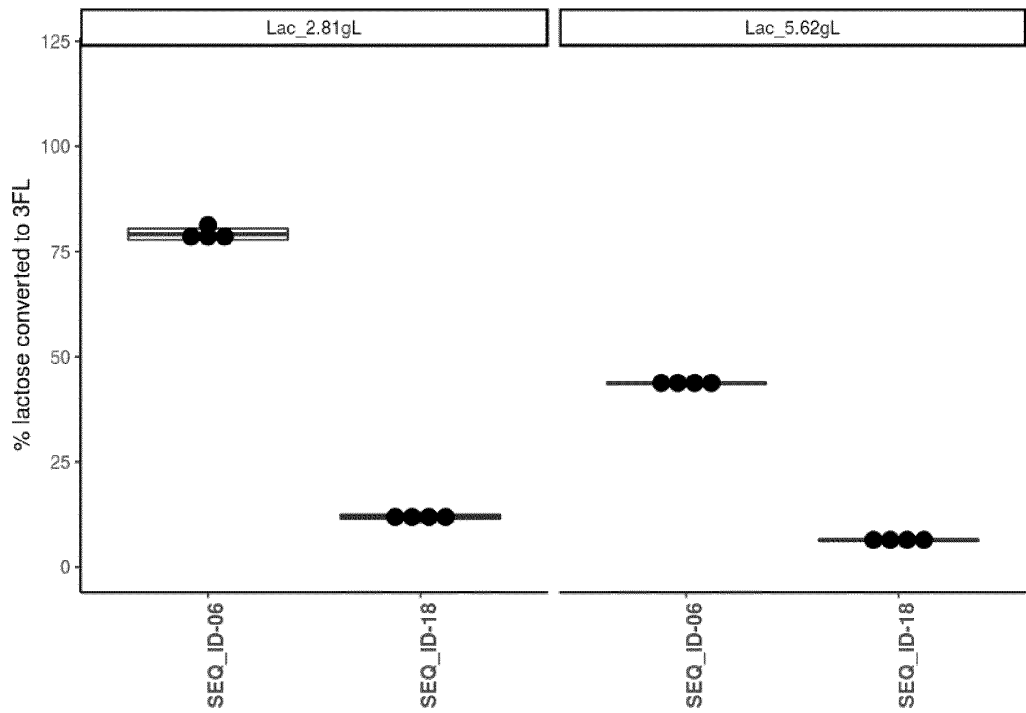


FIGURE 5

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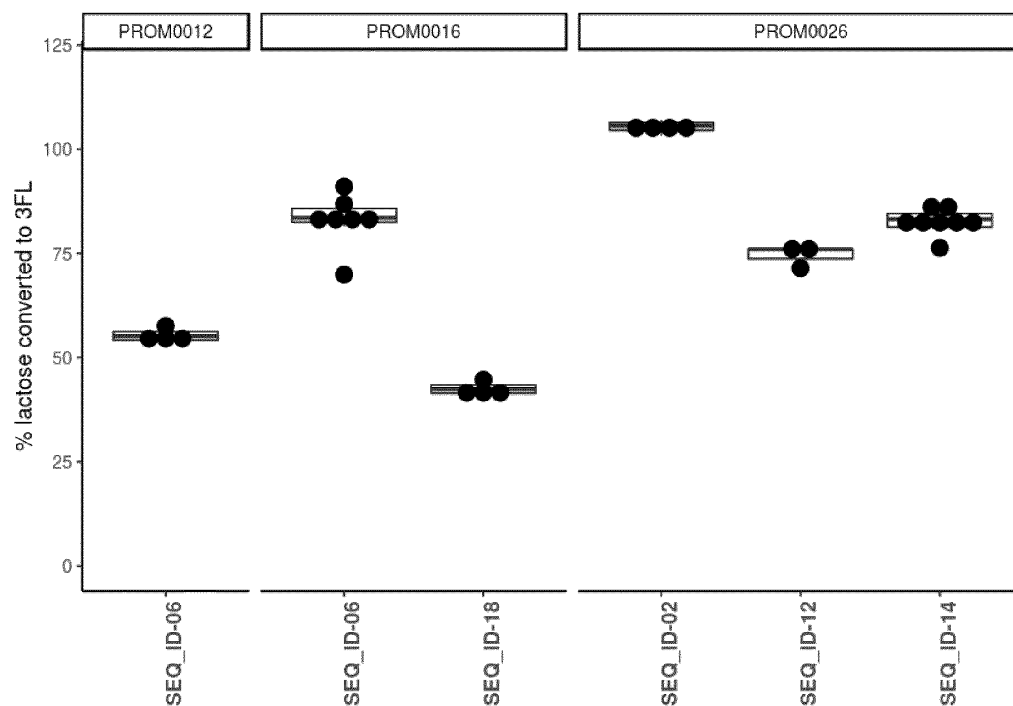


FIGURE 6

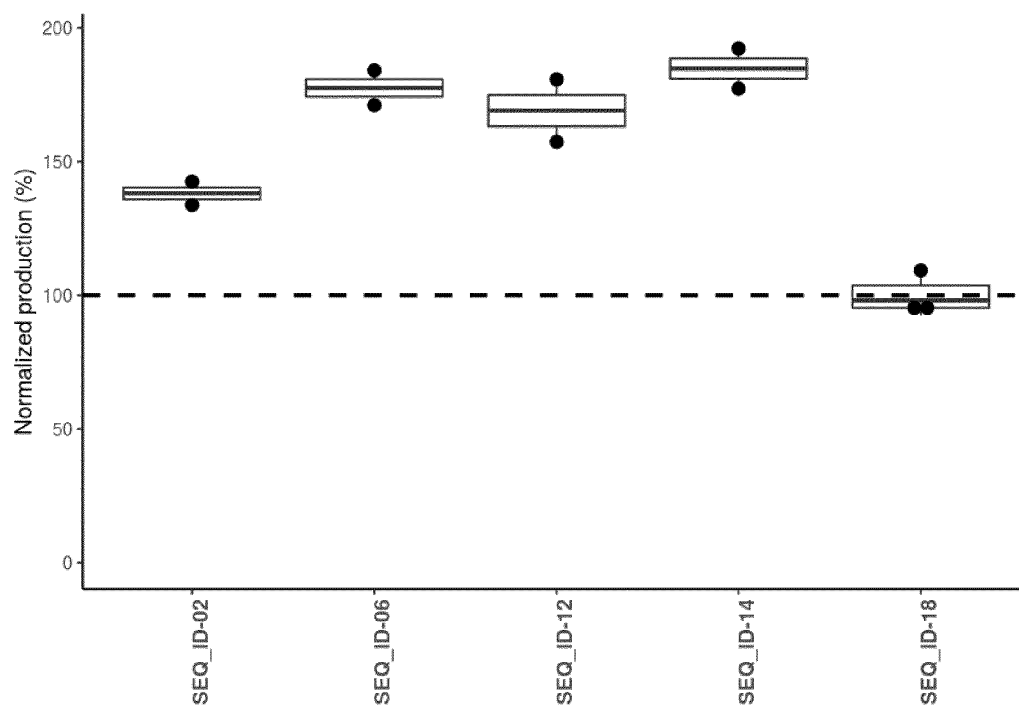


FIGURE 7

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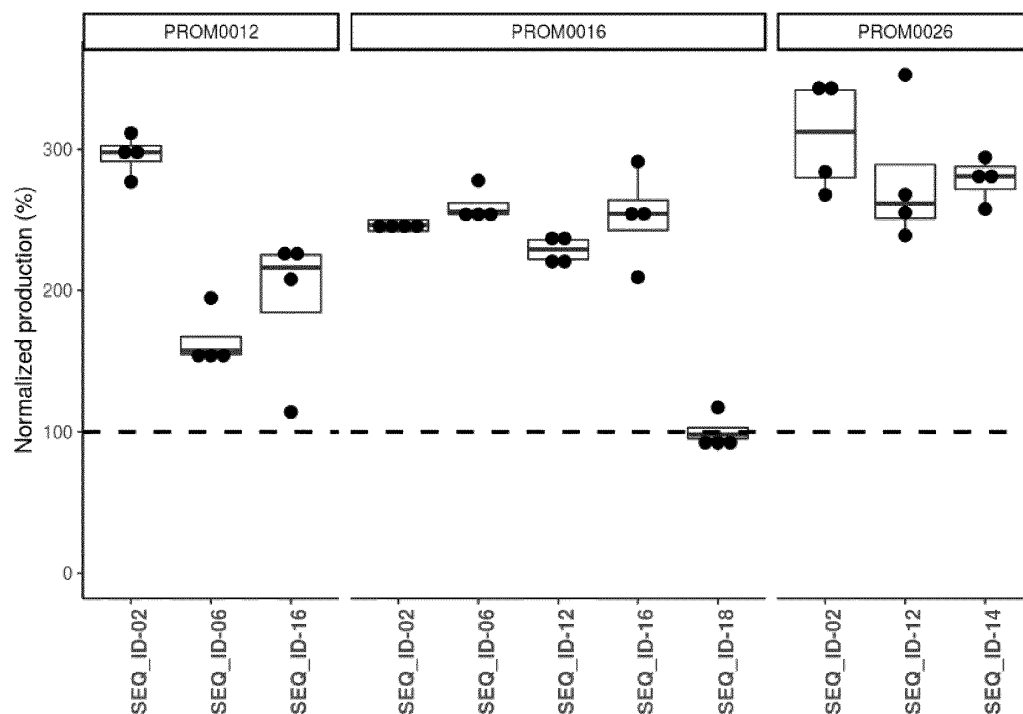


FIGURE 8

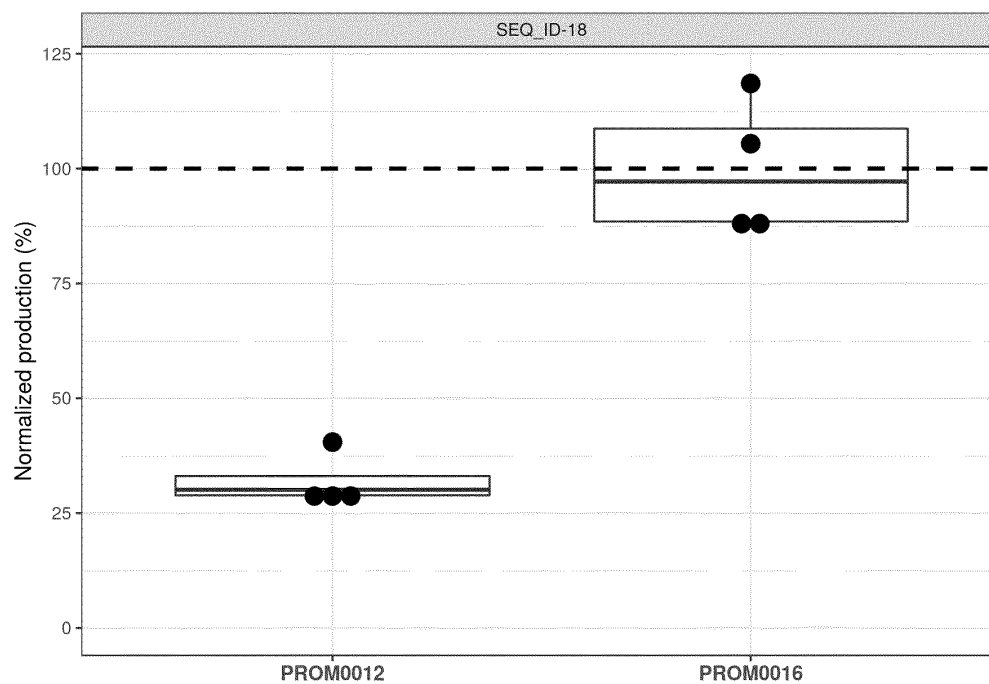


FIGURE 9

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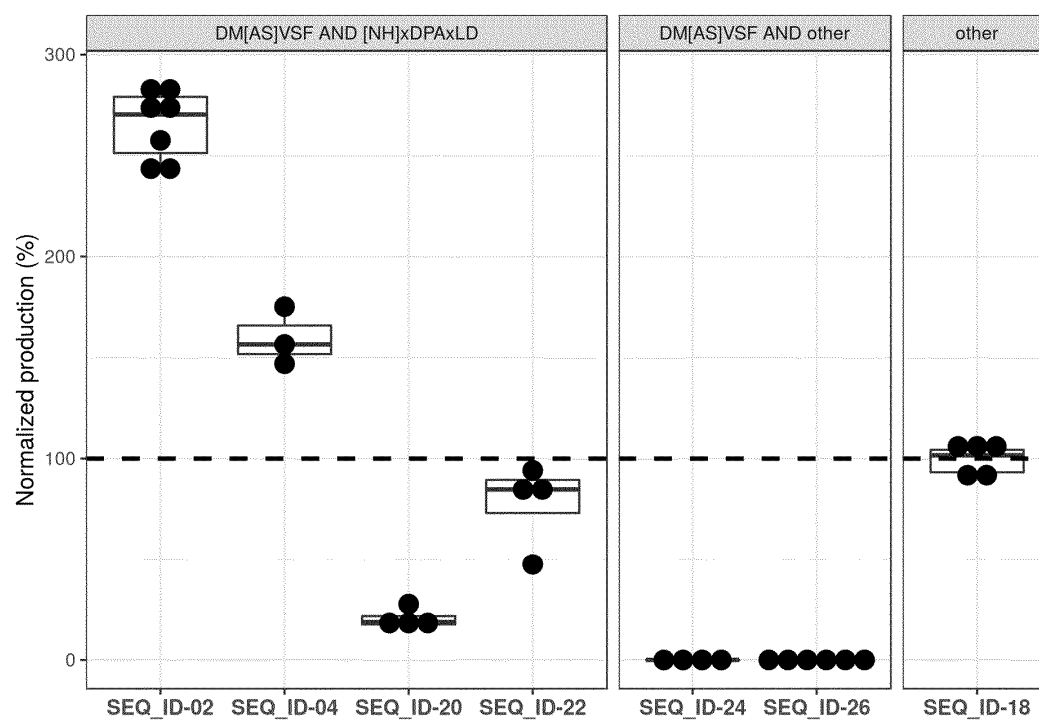


FIGURE 10

SUBSTITUTE SHEET (RULE 26)

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SEQ_ID	02/1-325	1	10	20	30	40	50	60	70
SEQ_ID	04/1-325	1	1	1	1	1	1	1	1
SEQ_ID	20/1-325	1	1	1	1	1	1	1	1
SEQ_ID	22/1-325	1	1	1	1	1	1	1	1
SEQ_ID	08/1-309	1	1	1	1	1	1	1	1
SEQ_ID	10/1-316	1	1	1	1	1	1	1	1
SEQ_ID	06/1-329	1	1	1	1	1	1	1	1
SEQ_ID	12/1-342	1	1	1	1	1	1	1	1
SEQ_ID	14/1-323	1	1	1	1	1	1	1	1
SEQ_ID	16/1-316	1	1	1	1	1	1	1	1
SEQ_ID	28/1-343	1	1	1	1	1	1	1	1
SEQ_ID	30/1-352	1	1	1	1	1	1	1	1
SEQ_ID	32/1-343	1	1	1	1	1	1	1	1
SEQ_ID	02/1-325	49	80	90	100	110	120	130	140
SEQ_ID	04/1-325	49	1	1	1	1	1	1	1
SEQ_ID	20/1-325	49	1	1	1	1	1	1	1
SEQ_ID	22/1-325	49	1	1	1	1	1	1	1
SEQ_ID	08/1-309	21	1	1	1	1	1	1	1
SEQ_ID	10/1-316	30	1	1	1	1	1	1	1
SEQ_ID	06/1-329	37	1	1	1	1	1	1	1
SEQ_ID	12/1-342	52	1	1	1	1	1	1	1
SEQ_ID	14/1-323	31	1	1	1	1	1	1	1
SEQ_ID	16/1-316	32	1	1	1	1	1	1	1
SEQ_ID	28/1-343	33	1	1	1	1	1	1	1
SEQ_ID	30/1-352	62	1	1	1	1	1	1	1
SEQ_ID	32/1-343	33	1	1	1	1	1	1	1

FIGURE 11

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SEQ_ID_02/1-325	111	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_04/1-325	111	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_20/1-325	111	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_22/1-325	111	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_08/1-309	87	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_10/1-316	89	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_06/1-329	90	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_12/1-342	108	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_14/1-323	88	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_16/1-316	84	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_28/1-343	99	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_30/1-352	118	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---
SEQ_ID_32/1-343	99	---	160	---	170	---	180	---	190	---	200	---	210	---	220	---

SEQ_ID_02/1-325	144	GATPHFCQSVLPVPPTREE	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_04/1-325	144	GATPHFCQSVLPVPPTREE	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_20/1-325	144	GATPHFCQSVLPVPPTREE	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_22/1-325	144	GATPHFCQSVLPVPPTREE	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_08/1-309	114	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_10/1-316	123	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_06/1-329	129	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_12/1-342	149	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_14/1-323	130	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_16/1-316	125	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_28/1-343	155	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_30/1-352	159	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---
SEQ_ID_32/1-343	155	---	230	---	240	---	250	---	260	---	270	---	280	---	290	---

FIGURE 11 (continued)

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SEQ_ID_02/1-325	202	LNNTGS--VVKMGWL-PKIRVFSRYRFAFENAS----	HPG	YLT	TEK	LD	FA	Q	A	G	A	V	P	L	Y	W	G	D	P	G	V	L	----	RD	V	A	A	266															
SEQ_ID_04/1-325	202	LNNTGS--VVKMGWL-PKIRVFSRYRFAFENAA----	HPG	YLT	TEK	LD	FA	Q	A	G	T	V	P	L	Y	W	G	D	S	G	V	L	----	RD	V	A	A	266															
SEQ_ID_20/1-325	202	LNNTGS--VVKMGWL-PKIRVFSRYRFAFENAS----	HPG	YLT	TEK	LD	FA	Q	A	G	A	V	P	L	Y	W	G	D	P	G	V	L	----	RD	V	A	A	266															
SEQ_ID_22/1-325	202	LNNTGS--VVKMGWL-PKIRVFSRYRFAFENAS----	HPG	YLT	TEK	LD	FA	Q	A	G	A	V	P	L	Y	W	G	D	P	G	V	L	----	RD	V	A	A	266															
SEQ_ID_08/1-309	173	LNNTSETLGQRNLHGKINFLKQYKAVCFENTSTRGSE	Q	Y	TEK	VD	AM	AG	CI	P	L	Y	W	G	D	H	R	V	G	----	ED	F	N	E	----			243															
SEQ_ID_10/1-316	188	FNNTAR--LOTEFAN-NKVKFLENYKFNICPENTN--	Q	Y	TEK	F	S	FA	AG	CI	P	L	Y	W	G	S	A	Q	K	----	P	E	N	I	F	K	P	254															
SEQ_ID_06/1-329	198	MNNTDE--LKAKFND-DKIDYLKQYRFLNCPENSE--	S	Y	TEK	F	S	I	M	AG	CI	P	L	Y	W	G	V	K	L	F	VE	P	D	I	L	N	P	266															
SEQ_ID_12/1-342	215	RHNTDE--LLEVYGD-DKFKYLIANYRFLNCPENS	L	---	GE	Y	I	T	E	K	F	D	S	I	R	AG	CI	P	L	Y	W	G	AY	----	LE	P	G	I	L	N	P	279											
SEQ_ID_14/1-323	195	QNNTNE--LHDLYAN-DKREYLKLFKNVCPENSS--	T	P	Y	T	E	K	F	D	S	F	A	G	CI	P	L	Y	F	G	G	T	E	E	----	I	E	P	D	I	V	N	Q	262									
SEQ_ID_16/1-316	186	KQNTDE--LWTVYND-DKPRYLKEFKFNICPENFD--	T	P	Y	T	E	K	F	E	A	F	R	S	G	T	I	P	I	Y	A	G	G	D	H	----	P	E	P	E	I	V	N	R	252								
SEQ_ID_28/1-343	216	RNNTKE--LWEDYNN-DKNKYLSEFKFNICPENVD--	A	P	Y	T	E	K	F	D	A	F	K	C	G	A	I	P	I	Y	Q	G	C	L	G	K	----	P	E	P	D	V	I	N	T	282							
SEQ_ID_30/1-352	225	RHNTDE--LLEVYGD-DKFKYLIANYRFLNCPENS	L	---	GE	Y	I	T	E	K	F	D	S	I	R	AG	CI	P	L	Y	W	G	AY	----	LE	P	G	I	L	N	P	289											
SEQ_ID_32/1-343	216	RNNTKE--LWEDYDN-DKNKYLSEFKFNICPENVD--	A	P	Y	T	E	K	F	D	A	F	K	C	G	A	I	P	I	Y	Q	G	C	L	G	K	----	P	E	P	D	V	I	N	T	282							
SEQ_ID_02/1-325	267	GSFIDVSRY-ASDEEA-CDAILAADDYDYYRRYRST--	PP	F	L	----	GA	E	D	F	Y	D	A	----	F	R	L	A	E	W	I	E	S	R	L	----	325																
SEQ_ID_04/1-325	267	GSFIDVSRY-ASDEEA-IEAILAIDDDYDYYRRYRGT--	AP	F	L	----	G	T	E	D	F	Y	D	A	----	Y	R	L	A	E	W	I	E	S	R	L	----	325															
SEQ_ID_20/1-325	267	GSFIDVSRY-SSDEEA-IEAILAIDDDYDYYRRYRST--	PP	F	L	----	G	T	E	D	F	H	D	A	----	Y	R	L	A	E	W	I	E	S	R	L	----	325															
SEQ_ID_22/1-325	267	GSFIDVSRY-SSDEEA-IDAILAIDDDYDYYRRHRS	T	----	AP	F	L	----	G	T	E	D	F	Y	D	A	----	F	R	L	A	E	W	I	E	S	R	L	----	325													
SEQ_ID_08/1-309	244	NSFINLGVY-GNDVNAMQHVHIELDSD----	E	R	L	Q	N	L	F	Q	E	P	W	L	P	E	I	K	S	S	E	H	F	S	F	E	T	S	K	D	A	I	L	K	L	V	A	N	V	N	K	----	309
SEQ_ID_10/1-316	255	SSII-FFD--EFK-NTLSEDEVRLHKDPKLYLD	F	I	S	Q	----	N	P	F	Q	----	T	A	A	E	Y	I	Q	T	I	S	N	L	E	L	K	L	E	I	I	N	Q	A	----	316							
SEQ_ID_06/1-329	267	EAFI-YYE--KGKEQLAKQVEELWISPKRYEEFA	I	----	AP	F	K	E	----	D	A	A	E	V	I	Y	T	W	I	E	E	L	K	R	L	A	F	E	P	K	A	----	329										
SEQ_ID_12/1-342	280	KAIL-RFE--EGKEQEFYRNVKELWENEEAYEQ	F	I	L	----	P	P	F	V	E	----	G	A	A	E	R	I	W	E	I	L	Q	G	L	R	E	R	L	A	P	L	V	E	E	G	----	342					
SEQ_ID_14/1-323	263	GAFIRYWD--DGRMDWM-DTVRELWESPSAYRA	V	A	E	I	----	P	P	F	K	E	----	Q	A	A	D	V	I	Y	A	M	E	N	L	H	D	K	L	A	I	V	R	----	323								
SEQ_ID_16/1-316	253	SALL-LWERGQSDHSALVQEVIRLARDEIYYDK	F	V	H	Q	----	V	R	L	P	----	Y	T	E	E	F	Y	E	Q	F	S	S	L	K	E	R	L	L	Q	I	R	R	G	----	316							
SEQ_ID_28/1-343	283	DAVL-LWDF-DGDNSDTISLTKKLNSDNVYDN	F	N	V	S	Q	----	P	K	F	K	P	----	D	A	A	E	Y	V	V	A	C	M	D	E	L	R	S	F	D	Q	L	I	----	343							
SEQ_ID_30/1-352	290	KAIL-RFE--EGKEQEFYRNVKELWENEEAYEQ	F	I	L	----	P	P	F	V	E	----	G	A	A	E	R	I	W	E	I	L	Q	G	L	R	E	R	L	A	P	L	V	E	E	G	----	352					
SEQ_ID_32/1-343	283	DAVL-LWDF-DGDNSDTIALIKKLNSDNVYDN	F	N	V	S	Q	----	P	K	F	K	P	----	D	A	A	E	Y	V	V	A	C	M	D	E	L	R	S	F	D	R	L	I	----	343							

FIGURE 11 (continued)

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		10	20	30	40	
SEQ_ID_02/1-325	1	MIDQRTSDFLSEFLAS	SHRDPARLDS	FLLHGPRGRARA	KPRLKIAFFDF	50
SEQ_ID_04/1-325	1	MIDQRTSDFLSEFLAS	PNRDPVAVLDF	FLLHGPERGGRA	ARPRLKIAFFDF	50
SEQ_ID_20/1-325	1	MIDQRTGVFLSEFLDT	RNRDPVAVLDF	FLLQGPDGGRRG	AKPNLKVAFFDF	50
SEQ_ID_22/1-325	1	MIDRRTSDFLAEFLAS	ANKDPAVLDF	FLLHGPDGRGGR	SAKPRLKIAFFDF	50
SEQ_ID_24/1-325	1	MLDQRTSAFLEEF	LAKPGGDPERLDF	FLLHGPRGRGR	PRLKLAFFDF	50
SEQ_ID_26/1-303	1	-----	-----MLDF	FLLHGPERGGRA	ARPRLKIAFFDF	28
		60	70	80	90	
SEQ_ID_02/1-325	51	WPEFDPAANFFVDI	LSARFDVSVVDN	SDLAIVSVFGTR	HREARTARSMF	100
SEQ_ID_04/1-325	51	WPEFDPSANFFVEI	LSSRFVSVVDN	SDLAIVSVFGER	HREARTARALF	100
SEQ_ID_20/1-325	51	WPEFDPSANFFVEI	LSARFQVSVVEN	SDLAIVSVFGTG	PREIRTARSMF	100
SEQ_ID_22/1-325	51	WPEFDPAANFFVEI	LSARFDLSVVDN	SDLAIVSVFGIR	HREARTARSLF	100
SEQ_ID_24/1-325	51	WPEFDTGRNFFIEI	LSSRFVSVVEDD	SDLAIVSVFGGR	HRAARSRTLF	100
SEQ_ID_26/1-303	29	WPEFDPSANFFVEI	LSSRFVSVVDN	SDLAIVSVFGER	HREARTARALF	78
		110	120	130	140	
SEQ_ID_02/1-325	101	FTGENVRPPLDG	DMSVSFDRIDD	PRHYRLPLYVM	HAWDHRREGAT	PHFC 150
SEQ_ID_04/1-325	101	FTGENVRPPLDG	DMSVSFDRIDH	PRHYRLPLYVM	HAWDHRREGAT	PHFC 150
SEQ_ID_20/1-325	101	FTGENVRPPLDG	DMSVSFDRIDD	PRHFRLPLYV	VHAYDHLREGA	APYFC 150
SEQ_ID_22/1-325	101	FTGENVRPPLDG	DMSVSFDRIDD	PRHYRLPLYV	MAWDHRREGAT	RHFC 150
SEQ_ID_24/1-325	101	FTGENVRPPLDG	DMAVSFDRVGD	PRHYRLPLYV	MHAYEHMREGA	VPFC 150
SEQ_ID_26/1-303	79	FTGENVRPPLDG	DMSVSFDRIDH	PRHYRLPLYV	MAWDHRREGAT	PHFC 128
		160	170	180	190	
SEQ_ID_02/1-325	151	QSVLPPVPPTREEA	AKRKFCALYKNP	NCARRNDFQMLC	CARRHVESVGW	200
SEQ_ID_04/1-325	151	HPVLPPVPPTREEA	AKRKFCALYKNP	HCARRNDFQMLC	CARRHVESVGW	200
SEQ_ID_20/1-325	151	QPVLPVPPTREDAA	EERKFCALYKNP	NCARRNDFHMLG	GARRHVDSVGW	200
SEQ_ID_22/1-325	151	HSVLPPVPPTREEA	DRRKFCALYKNP	NCERRNDFFRMLC	CARRHVESVGW	200
SEQ_ID_24/1-325	151	SPVLPPVPPSRAAF	AERNFCALYKNP	NGERRNFFPALD	ARRRVDSVGW	200
SEQ_ID_26/1-303	129	HPVLPPVPPTREEA	AKRKFCALYKNP	HCARRNDFQMLC	CARRHVESVGW	178
		210	220	230	240	
SEQ_ID_02/1-325	201	LLNNTGSVVKMGWL	PKIRVFSRYRFA	FAFENASHPGYL	TEKILDAFQAGA	250
SEQ_ID_04/1-325	201	LLNNTGSVVKMGWL	PKIRVFARYRFA	FAFENAAHPGYL	TEKILDAFQAGT	250
SEQ_ID_20/1-325	201	LLNNTGSVVKMGWL	PKIRVFSRYRFA	FAFENASHPGYL	TEKILDAFQAGA	250
SEQ_ID_22/1-325	201	LLNNTGSVVKMGWL	PKIRVFSRYRFA	FAFENASHPGYL	TEKILDAFQAGA	250
SEQ_ID_24/1-325	201	HLNNTGSVVKMGWL	AKIRVFERYRFA	FAFENASHPGYL	TEKILDVFAQA	250
SEQ_ID_26/1-303	179	LLNNTGSVVKMGWL	PKIRVFARYRFA	FAFENAAHPGYL	TEKILDAFQAGT	228
		260	270	280	290	
SEQ_ID_02/1-325	251	VPLYWGDPGVLRD	VAAAGSFIDVSR	YASDEEACDAI	LAADDDYDYTRY	RRYS 300
SEQ_ID_04/1-325	251	VPLYWGDSGVLRD	VAAAGSFIDVSR	YASDEEAEIAI	LAIDDDYDSYRR	YRG 300
SEQ_ID_20/1-325	251	VPLYWGDPGVLRD	VAAAGSFIDVSR	YSSDEEAEIAI	LAIDDDYGAYRR	RRYS 300
SEQ_ID_22/1-325	251	VPLYWGDPGVLRD	VAAAGSFIDVSR	YSSDEEIDAIAI	LAIDDDYDYTRY	RRHS 300
SEQ_ID_24/1-325	251	VPLYWGDPDVERE	VAAAGSFIDVSR	FATDEEAAEHIA	LALDGDYDAYCA	YRA 300
SEQ_ID_26/1-303	229	VPLYWGDSGVLRD	VAAAGSFIDVSR	YASDEEAEIAI	LAIDDDYDSYRR	YRG 278
		310	320			
SEQ_ID_02/1-325	301	TPPFLGAEDFYF	DAFRLAEWIESRL			325
SEQ_ID_04/1-325	301	TAPFLGTEDFYF	DAYRLAEWIESRL			325
SEQ_ID_20/1-325	301	TPPFLGTEDFH	FDAYRLAEWIESRL			325
SEQ_ID_22/1-325	301	TAPFLGTEDFYF	DAFRLAEWIESRL			325
SEQ_ID_24/1-325	301	VAPFLGTEEFH	FDAYRLADWIESRL			325
SEQ_ID_26/1-303	279	TAPFLGTEDFYF	DAYRLAEWIESRL			303

FIGURE 12

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		10	20	30	40	50	
SEQ_ID_06/1-329	1	-----	-----	-----	-----	-----	QED I 25
SEQ_ID_12/1-342	1	-----	-----	-----	-----	-----	MPIYDIKAMNTPS--KQPLRERLHMMRRNRVRKRSVIALIKSHL 43
SEQ_ID_14/1-323	1	-----	-----	-----	-----	-----	MNAVERVRNINLYCINEVQMYRQCPNS----- 27
SEQ_ID_16/1-316	1	-----	-----	-----	-----	-----	MLMRALRKMKRWGRVA-----FDYT 20
SEQ_ID_28/1-343	1	-----	-----	-----	-----	-----	MN-----IHFYARYLRESHNWNRE-ER 21
SEQ_ID_30/1-352	1	MLAPYKSP	IFVPIYDTKAMNPPT--	KQPLRERLHMMRRNR	IRKRSVIALIKSHL	53	
SEQ_ID_32/1-343	1	-----	-----	-----	-----	-----	MN-----IHFYARYLRESHNWNRE-ER 21
		60	70	80	90	100	
SEQ_ID_06/1-329	26	KPQEF	GHIKHYHFWPLS-	NETFFNQFAQEKNL--	DLS-----	QTALISCFGELSA	72
SEQ_ID_12/1-342	44	DSSRY--	-QDYNWWD	SHASTFWLPRFI--	-----	DLHLEPKKKINL	SCFQNPML 88
SEQ_ID_14/1-323	28	-----	-----	-----	-----	-----	KYYNFWPCDYNWNWFNHFVEHRGLAKERH-----RLNFFSVFGN-PL 68
SEQ_ID_16/1-316	21	NTTKD	GAVCYHNW	WPCNYEEWFHFRFV-VQNI--	-----	GTERCYHFFSV	FGPRIA 68
SEQ_ID_28/1-343	22	EVT	RNGVMTFANW	WREDPHKNWFARFIDAGSK--	-----	DPERRIRFYS	IFGPYSK 70
SEQ_ID_30/1-352	54	DSSRY--	-QDYNWWD	SHASTFWLPRFI--	-----	DLHLEPKKRINL	SCFQNPML 98
SEQ_ID_32/1-343	22	EVT	RNGVMTFANW	WREDPHKNWFARFIDAGNK--	-----	DPERRIRFYS	IFGPYSK 70
		120	130	140	150	160	
SEQ_ID_06/1-329	73	IPKIPERY	KVFFTTGENI	-----	-----	-----	I-----YHPDRISYSDPELYRMV 106
SEQ_ID_12/1-342	89	LIRYYKG	KIFLSGENI	-----	-----	-----	LTNNEHFGFHPRMLDHRINE---V 125
SEQ_ID_14/1-323	69	LPRIIPG	KVFFTTGENI	-----	-----	-----	LADN-----SIH--SIGRAFKKTFPVY 104
SEQ_ID_16/1-316	69	LTLP	TPNKVFFCGENI	-----	-----	-----	VHNAEWP--YKSYQDHALGD---V 102
SEQ_ID_28/1-343	71	LKED	FDGAKIFFSGENI	EQPVYHRL	LKTDPIEDRIWADR	RKL	YGNYGAGD---V 121
SEQ_ID_30/1-352	99	LIRYYKG	KIFLSGENI	-----	-----	-----	LANNEHFGFHPRMLDHRINE---V 135
SEQ_ID_32/1-343	71	LKED	FDGAKIFFSGENI	EQPVLHRL	LKTDPIEDRIWADR	RKL	YGNYGAGE---V 121
		170	180	190	200	210	
SEQ_ID_06/1-329	107	DLYL	GFYEYRTEP-	-----	-----	-----	KYIRFPLWVW---YLCGLTKKPHFSHESIAEF 147
SEQ_ID_12/1-342	126	DLAG	GFEFKDP-	-----	-----	-----	KYIRFPLWVW---YLCGLTKKPHFSHESIAEF 147
SEQ_ID_14/1-323	105	DLV	LGFDYEVEDS-	-----	-----	-----	RVNMYRFPWLW---FLI---DPTADYQKIKET 144
SEQ_ID_16/1-316	103	KLAG	LYDDIQDE-	-----	-----	-----	RYRFPWLW---YMF---DPVVDYAIRER 139
SEQ_ID_28/1-343	122	DLAG	IFGNREEDSLMGFE	GSRKTKYRFP	LWLT---	YVF---	DPDCTHDDIKRT 169
SEQ_ID_30/1-352	136	DLAG	GFEFKDP-	-----	-----	-----	KYIRFPLWVW---YLCGLTKKPHFSHESIAEF 147
SEQ_ID_32/1-343	122	DLAG	IFGNREEDSLMGFE	GSRKTKYRFP	LWLT---	YVF---	DPDCTHDDIKRT 169
		230	240	250	260	270	
SEQ_ID_06/1-329	148	IRKM	NQPEFRLQSSRN	RFCSHISSHD	TNGIRKRM	IDL	LPIASVDCAGKFMNNTD 202
SEQ_ID_12/1-342	165	VGQ	INDPSTRRS	AKRSRFIGQISSH	DKGMRGLIDLL	SPIGQIDCAG	KFRHNTD 219
SEQ_ID_14/1-323	145	IER	INDPSTR	LNASDRFACLVASH	DKTGIRQKLYD	VLMPISVTC	PGRFQNNNTN 199
SEQ_ID_16/1-316	140	IEEIN--	-HAENTRKYECVL	ISRHDKWN	MRGPIDYAL	KDHLAIS	CGAKWKQNTD 190
SEQ_ID_28/1-343	170	ID	Ein--AVRSTGRKDT	LLASHDFW	GTRSDILKS	LEGVCDV	SIAGKWRNNTK 220
SEQ_ID_30/1-352	175	LEQ	INDPSTRSTR	SGRSRFIGQISSH	DKGMRGLIDLL	NPIGQIDCAG	KFRHNTD 229
SEQ_ID_32/1-343	170	ID	Ein--AVRSTGRKDT	LLASHDFW	GTRSDILKS	LEGVCDI	SIAGKWRNNTK 220
		280	290	300	310	320	
SEQ_ID_06/1-329	203	ELKAK	FNDKIDY	LKQYRFLN	CPENSESVGYITE	KIFESIMAGC	IPITYWGGVVKQL 257
SEQ_ID_12/1-342	220	ELLE	VYGD	DKFKYLAN	YRFLNCPENSL	GEGYTEKVF	DSIRAGCIPITYWGAY-- 271
SEQ_ID_14/1-323	200	ELHD	LYANDKREY	LKLFKNV	CPENSSTPGYITE	KLFDSFASGC	IPITYFGGGTTE 254
SEQ_ID_16/1-316	191	ELWT	VYND	DKPRYLKE	FKFNICPENF	DTPPYVTE	KLFEAFRSGTIPITYAGGGDH- 244
SEQ_ID_28/1-343	221	ELW	EDYNN	DKNKYLSE	FKFNICPENVD	APGYVTEK	IFDAFKCGAIPITYQGCLGK- 274
SEQ_ID_30/1-352	230	ELLE	VYGD	DKFKYLAN	YRFLNCPENSL	GEGYTEKVF	DSIRAGCIPITYWGAY-- 281
SEQ_ID_32/1-343	221	ELW	EDYND	DKNKYLSE	FKFNICPENVD	APGYVTEK	IFDAFKCGAIPITYQGCLGK- 274
		340	350	360	370	380	
SEQ_ID_06/1-329	258	FVEPD	ILNPEAFI-YYE--	KGKEEQ	LAKQVEELWI	SPKRYEEFAA	IAPFKEDAAE 309
SEQ_ID_12/1-342	272	-LEPG	ILNPKAIL-RFE--	EGKEQE	FYNRVKELWENE	EAYEQF	ILEPPFVEGAEE 322
SEQ_ID_14/1-323	255	-IEPD	IVNQGA	FI	RYWD--DGRMDWM-	DTVRELWES	PSAYRAVAEIPPFKEQAAD 305
SEQ_ID_16/1-316	245	-PEPE	IVNRSALL-LW	ERGQSDHS	ALVQEVIR	LARDEI	YYDKFVHQVRLLPYTEE 297
SEQ_ID_28/1-343	275	-PEPD	VINTDAVL-LW	DF-DGDNSDT	ISL	IKKLSND	NVYDNFVSQPKFKPDAEE 326
SEQ_ID_30/1-352	282	-LEPG	ILNPKAIL-RFE--	EGKEQE	FYNRVKELWENE	EAYEQF	ILEPPFVEGAEE 332
SEQ_ID_32/1-343	275	-PEPN	VINTDAVL-LW	DF-DGDNSDT	IALIKKLSND	NVYDNFVSQPKFKPDAEE 326	
		390	400				
SEQ_ID_06/1-329	310	VIYTW	IEELEKRLRAFEPKA				329
SEQ_ID_12/1-342	323	RIWE	ILQGLRERLAPLVEEG				342
SEQ_ID_14/1-323	306	VIYAY	MENLHDKLAAIVR--				323
SEQ_ID_16/1-316	298	FVYE	QFSSLKERLLQIRRG-				316
SEQ_ID_28/1-343	327	YVVAC	MDELRRSFDQLI---				343
SEQ_ID_30/1-352	333	RIWE	ILQGLRERLAPLVEEG				352
SEQ_ID_32/1-343	327	YVVAC	MDELRRSFDRLI---				343

FIGURE 13

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