

Albc	AE	H	FR	V	RS	SE	LOE	TP	---	EYRAV	RE	---	RTD	RAFEEDA	EFATACED	MVR	AVVMN	---	R	PG	---	DCVG	---	I	---	S	AHHLRA		
41[K530_11977_BIS]	SE	H	FR	V	RS	SE	IOE	TP	---	EYRAA	RE	---	STD	RAFREDG	EFATVCEE	MVR	AVVMN	---	R	PG	---	DCVG	---	I	---	S	EEHLRA		
Ndas_1148	AG	N	VR	V	RAL	SG	CT	GLP	---	GYRDV	AY	---	RLD	REHATDP	RVRACEE	HVR	HVIGA	---	O	PD	---	F	---	I	---	D	CARLRA		
49[SVEN_1864]	GV	H	VR	G	RGM	SE	FGD	VP	---	AYRAL	HR	---	TVL	DAVAADP	LVRETCD	LTG	IFLAG	---	K	LA	---	FGOR	---	I	---	D	EROREV		
Rv2275	GA	H	LC	V	RPM	SE	FOS	NE	---	AYREL	HA	---	DLL	RLKDDDE	DLRAVCD	LVRE	FLST	---	K	VG	---	PROG	---	A	---	T	ATCOEV		
16[SSEG_10527]	PP	H	LR	V	ARF	SD	FYD	TP	---	AYRTA	LE	---	RVT	RAHREOP	AFRTTHR	MVT	GVLR	---	T	MP	---	ADWT	---	P	---	S	AGOLAA		
42[K530_34281]	EH	H	HR	I	RTL	TE	FT	GDP	---	TYRAL	LG	---	RVE	RAAEROP	SVREVFLE	ASG	KALAS	---	H	LK	---	GAI	---	P	---	T	EEOLAE		
14[SCAT_0901_BIS]	LS	G	AH	V	HLL	SD	LT	AMP	---	AYRAL	RL	---	RVE	HALRLDP	ELYAECLA	MSRA	ALRS	---	O	LK	---	GVI	---	P	---	S	AAACAA		
48[SCAT_0198]	RP	A	DG	H	HMM	SD	L	AGHP	---	VYORV	LA	---	OCE	AALRVDA	GLRRTORA	MSRE	ALLA	---	R	RP	---	DCE	---	P	---	G	FACIDO		
Amir_4627	RP	G	DC	L	NLM	SE	LE	GEF	---	VYRAE	LA	---	ECE	RALREDE	VLRGTSAE	MSRE	VLAL	---	K	GH	---	RGM	---	A	---	T	DECOVER		
47[SSMG_00951]	RP	I	DC	L	IRM	SE	LO	ADP	---	VYTEV	LA	---	HCA	QITATDP	ALAAASTE	MTQEV	LAA	---	K	GL	---	ICE	---	A	---	T	FAOLAE		
13[Marme_0276]	EG	I	H	V	IDF	SH	YL	LIV	---	YIHEL	KD	---	NVE	KAFEDDS	CFRES	CLG	MSR	QALLG	---	R	LK	---	GVGKGFOD	---	I	---	S	EKDTNI	
plu0297	QT	H	V	V	JOF	SD	FSL	NH	---	DYCSL	RT	---	QVE	NAFNESE	SFKKS	CLD	MSF	QAIKG	---	R	LK	---	GTGOYFGO	---	I	---	D	HOLVYK	
jk0923	LG	H	CK	F	VLI	SD	YLO	TO	---	SYOCR	KR	---	SVI	AEFONNO	IFOD	ACRA	MSRA	ACOS	---	R	LK	---	VINV	---	N	---	T	EDDIET	
pShaeC06	IN	H	CK	I	HRF	SD	FKN	NI	---	YYIDI	YK	---	TIV	DFNIDS	NFKNS	CLK	MSL	QALOS	---	K	CK	---	NVNSIE	---	I	---	T	EDTLEY	
BSU35070	PK	A	I	I	HTF	SD	FID	NK	---	AYOLL	RO	---	EVE	HAFFEQP	HFR	HACLD	MSRE	AIIG	---	R	AR	---	GVSLNMEE	---	V	---	S	EDMLNL	
BL00817	PE	D	I	I	HTF	SD	FAN	OT	---	AYRNL	RO	---	EVE	AAFFDQT	HFR	HACLE	MSHA	AILG	---	R	AR	---	GTRMDVVE	---	V	---	S	ADMLEL	
RBTH_07362	VN	A	I	I	HTF	SD	FND	NN	---	AYSCM	RA	---	EAE	HIFLSEI	VFR	HACLE	MSHA	AILG	---	R	AR	---	GTNIDIDO	---	I	---	S	NDMINT	
1[KUTG_00871]	DA	G	RE	I	LDA	AR	LAV	NP	---	AYORI	LD	---	EVT	RLFAQDK	DFRM	CTMA	SSE	WVLA	---	R	LP	---	PGSA	---	P	---	T	ERORLL	
4[BN6_23810]	CP	A	DH	V	L	EA	LA	ANP	---	CYQAL	LA	---	QAH	GLFAADG	EFAG	CCLE	ATR	WVLD	---	R	LP	---	DGAA	---	P	---	T	GTOLRO	
5[CodytL_7200_BIS]	DP	H	TL	I	LDA	IV	LE	TD	---	AYLGL	LS	---	EAH	HLFAADG	EFAE	HCLG	ATG	WVLD	---	R	LP	---	EGCH	---	P	---	T	EDOLRS	
6[H074_03090]	DP	H	TL	I	LDA	AA	LE	AD	---	AYLGL	LS	---	EAH	HRFATDP	EFAE	HCLG	ATG	WVLD	---	R	LP	---	EGEH	---	P	---	T	EDOLRS	
3[AUCHE_08_05160]	ET	H	GM	V	ICH	EN	LS	VNP	---	RYLEL	LO	---	EGR	RRYLEEP	GFOE	ATVA	TSR	GILQA	---	W	AE	---	EGNP	---	P	---	C	EECEEO	
7[SsomD4_010100015357_BIS]	HP	E	DL	V	LGM	DR	LHG	TA	---	RYTEL	LD	---	EAH	RRFHEDG	DFR	AA	ASH	WVLD	---	K	LP	---	FGTV	---	P	---	T	EEOLRG	
2[SSMG_06201]	DP	H	RR	I	LGI	AR	LR	IMP	---	DYREL	LR	---	EAE	TOLESDP	AFRA	AA	ASS	WVLC	---	K	---	---	IGVA	---	P	---	D	SEALRL	
9[LPE509_p00072]	HID	H	L	I	IDM	DY	LE	NO	---	AYLEL	KK	---	ACY	ALYNENP	EFO	KECDO	CTG	WVLC	---	H	AV	---	KDSRA	---	I	---	N	NNNI	
8[CodytL_010100010466]	KE	E	CK	I	VET	SH	LY	ONE	---	RYLEL	YK	---	EYL	NLFKNNT	SFRS	DDCN	ASK	SILSO	---	R	---	---	KIAE	---	V	---	T	DESAYL	
10[SJA_C1-32620]	SDAH	H	L	I	LIV	DD	LV	RND	---	DYLOL	RV	---	DVD	RAFCTDA	CFRC	ACIL	MAD	TILL	---	R	---	---	DPFIT	---	D	---	E	DDRRAA	
NEMVEDRAFT_vlg241260	PG	D	FF	F	VDW	PRE	V	AH	---	VYOEK	LE	---	EMT	RLYHHA	LFRO	DAV	EVAR	VLGK	---	I	FR	---	DEMS	---	D	---	K	DEE	
17[HMPREF9008_03529]	YD	N	VR	L	LSW	KA	V	ALEP	---	RKTL	LO	---	RLR	LYGTEI	LTRE	---	E	VIK	ILER	---	N	RR	---	EEGH	---	R	---	N	DDSYRE
19[H123_18841]	T	D	FO	F	JIC	SE	IQ	AST	---	ECKDF	YS	---	SLR	NYFLEHS	GFR	D	SVEK	FGR	NYHR	---	N	WE	---	KLSE	---	E	---	Q	ORHRLD
18[LYNGBM3L_69800]	SC	O	FO	F	GMA	SO	TE	NGS	---	EFEYI	YK	---	DFQ	GLYKDE	SFO	MVNS	FAO	TYLNR	---	G	EQ	---	SEEE	---	E	---	L	QFCKHL	
21[Dmas2_11124]	KI	A	YO	L	INW	KL	VIE	TE	---	AYKKT	KS	---	EID	DLYYKDK	G	FVAV	VEG	LANS	HKK	---	R	---	---	SEEE	---	E	---	L	AGFITA
27[A11S_1546]	SI	H	TK	I	IHW	QT	WL	NHP	---	DFIPN	LP	---	QFR	HAYNTOF	AFR	DALIG	DVSK	FYKR	---	K	N	---	SEF	---	S	---	G	IESIEN	
29[FdumT_10802]	GK	N	FE	I	TRW	RD	WIE	ON	---	NHHT	LP	---	EIM	PILYNSV	GLK	FAID	SVTE	FARR	---	H	AN	---	DEEG	---	S	---	L	DIWLAR	
28[LLB_2968]	GK	N	FE	I	VRW	KT	WVA	ON	---	DSOEK	IN	---	KMM	GFYDSVE	GLK	ESVIR	TONN	FVKR	---	H	CK	---	DG	---	S	---	E	ELWKR	
31[RICGR_1349]	LI	V	YE	F	VHW	EA	LK	EDK	---	DFEHY	FH	---	EIK	KILDEEDN	NF	KEALEI	SS	KEYTHR	---	P	SR	---	VICV	---	A	---	Y	CKAEDN	
25[pah_c026o110]									---			---								---			---		---	M	---	N	KSLYIE
26[pc1814_BIS]									---			---								---			---		---	D	---	K	NLIFKN
30[RICGR_0139]									---			---								---			---		---	L	---	I	NDDVLO
36[VIBRO546_16848]									---			---								---			---		---	AD	---	I	EDSFYR
40[K530_11825]									---			---								---			---		---	AD	---	T	EKAFKG
39[O3I_025450]									---			---								---			---		---	AD	---	Q	ESVRKA
38[GOEFS_047_00070]									---			---								---			---		---	AD	---	E	DRIRNG
44[PFL_1389]	RY	H	BE	I	TRW	NO	EL	ASD	---	RYAEL	RO	---	OLN	QVYQORE	ELR	DAIDS	TIG	VFTER	---	L	RL	---	RDEH	---	AD	---	I	EBAAAQ	
43[PMM47T1_20098]	AT	H	TR	I	LRW	EA	CL	LDP	---	GYRPL	LD	---	RVO	FEYENNR	DYR	AEVNG	TIG	LFLDR	---	L	HK	---	RDPD	---	AD	---	L	EARFR	
37[Bcep18194_C7320]									---			---								---			---		---	AD	---	H	EAAFYR
33[FdumT_010100011357]	M	H	RE	I	LRW	DD	LL	RDD	---	DYSOY	YH	---	LIIT	NEYYSNH	AYR	HATND	TIG	VFAER	---	N	CL	---	VOGT	---	PE	---	H	EAAFYR	
22[Dmas2_05805]	KM	H	VK	I	ISW	KE	I	LE	---	NYINS	HL	---	RVO	KEYDINK	AFR	QAIHA	NID	FLTR	---	Y	LS	---	RFSP	---	AD	---	H	EAAFYR	
23[CAGGBEG34_30028]	GI	H	QK	V	IHW	EE	LK	SV	---	KDKPF	CEY	---	LS	DIK	KIYEIDK	CFK	GHVEH	LSK	KYAKK	---	L	LE	---	KYDP	---	K	---	L	DKCLEA
24[RICGR_1344]	IV	H	LO	L	VOW	KS	L	VEG	---	EDLSY	SDC	---	LS	KTE	NCYRDDP	FFQ	CMVDT	YSN	EFQK	---	H	CN	---	RLKRIE	---	I	---	C	EBCQSA
20[Dmas2_10809_BIS]	KV	H	IE	I	WRW	KR	LL	SCD	---	DFKKS	YR	---	EVE	OLYEODK	SFO	EIVNR	LSG	DYAO	---	L	SDP	---	KKNKPP	---	S	---	P	NACFAA	
*_11[KUTG_09682]	DP	H	OM	V	TSW	TR	LH	ADA	---	AYRAS	LI	---	RSR	KAYLTD	RIR	RACRE	MTA	EVVGN	---	AA	---	---	DCGP	---	V	---	T	QCDIDI	
*_12[SspiN1_37249]	SP	H	RM	I	IDF	AW	LN	ENE	---	EYRLT	ED	---	EVA	EYFGADE	DFR	KACIA	ESE	SVAS	---	R	RR	---	LDGI	---	L	---	T	EEELNM	
*_15[SCAT_4268]	GR	H	VR	V	RAL	SD	FAD	HH	---	MYRVL	CH	---	RVE	AALTAED	ELR	ACDH	TVQ	FLAS	---	R	LO	---	DSGP	---	A	---	T	EDOLRA	
*_32[ACD_69C00020G0002]	TI	H	LR	I	FRW	DR	WL	KHP	---	NFHGN	LN	---	EIK	AAVEND	IYR	SFTFN	SIE	GLFK	---	Y	ER	---	LP	---	F	---	D	FKAROL	
*_34[Dmas2_05975]	K	H	SO	V	IY	HRW	DE	W	---	LXEKA	RO	---	EID	SLYSKKDS	AFY	NAIES	DVL	KFEKR	---	Y	---	---	ER	---	F	---	S	DKEREY	
*_35[MICA_581]									---			---								---			---		---	AD	---	L	EDOLRA
*_45[FG04615_1]	LA	H	LI	I	LRW	SO	I	ED	---	DYCKV	HD	---	IMY	QYR	NQ	FEQE	---	LS	TS	---	R	RL	---	AVAT	---	I	---	T	BERLEN
*_46[Daes_1150]	AN	H	LY	I	LEW	TD	LV	DE	---	CFAEN	LK	---	IFR	EYANNE	KFK	NALVS	LTK	NNLGT	---	I	VK	---	RIND	---	I	---	E	LEMLC	

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 * _34[Dmas2_05975]
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 * _46[Daes_1150]

KNNFSLFE KELLTICE RCFDEASS HCSRIMEY SEIDDDKL INSTIKRC SI
 SPEGRNKF KKCDKEST LALCRPSM PRISREGI LFTSNSEI TAPAASSD LCOGNSTI SCVSELTA EGLEHRLT QVPRDEFI ASSISCGY GRALONEF LSCKKGLI DFRVTSAP LARVFEGL
 ENEVTSVG KSFASVEO PLVSVERR MSFFSSSP RKKIKVRY LDKQVEDN VIMDLPLS NPNALMLG SALEGIGR ALISKESH GKIQSKSS SILSEAFI GITHEVLS SDLSPSDO VNEFLVSI
 QLVDRNSI
 ADSYNSPY ELDSIVS DQTIKFI
 KQEPQIKL INLYTEY SKKISSYV SFR
 DFELIELE ESTOGRRI SI
 KEVDEKSY ISSVDTEI IKSTAYE

