

NTDB	id	617	LCA	RS06480	WP	011375001.1	.MST	E	E	K	L	T	T	L	L	K	H	C	A	K	Q	R	V	Q	D	L	Y	F	T	P	T	I	G	G	W	R	L	T	E	R	R	Q	S	D	L	V	T	N	Q	E	L	D	K	P	T	G	T	R	Y	L	N	R	L	K	Y	M	A	G	M	D	I	S	E	T	R	R	A	Q	T	G	R	S	E	79			
NTDB	id	586	KW2	RS10855	WP	011836048.1	.	M	V	Q	K	K	A	Q	E	L	I	Q	K	A	I	E	M	E	A	S	D	I	Y	L	I	A	S	G	N	L	Y	K	I	Y	I	R	Q	L	G	R	T	L	E	E	V	N	Q	E	I	G	L	A	L	L	T	H	F	K	F	L	A	G	M	N	T	G	E	R	R	R	V	Q	L	G	A	C	W	78			
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	M	V	E	Q	K	L	G	K	E	L	I	R	A	V	E	E	Q	A	Q	D	I	Y	L	L	P	K	P	A	V	Y	K	I	Y	L	R	F	E	G	K	R	H	L	I	Q	T	C	P	P	E	Q	A	A	G	L	I	S	H	F	K	F	L	A	G	M	N	V	G	E	K	R	A	Q	L	G	A	C	D	80			
NTDB	id	385	SMU	RS09035	WP	002263435.1	.	M	V	Q	K	L	G	R	K	I	I	A	E	A	V	Q	N	K	A	Q	D	I	Y	I	P	P	K	E	S	Y	E	L	Y	M	R	I	G	N	E	R	R	F	I	D	V	Y	D	H	H	F	M	A	N	L	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	R	S	Q	L	G	S	C	D	78		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	.	M	V	Q	K	L	G	R	K	I	I	A	E	A	V	Q	N	K	A	Q	D	I	Y	I	P	P	K	E	S	Y	E	L	Y	M	R	I	G	N	E	R	R	F	I	D	V	Y	D	H	H	F	M	A	N	L	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	R	S	Q	L	G	S	C	D	78		
NTDB	id	429	SGO	RS09420	WP	012130942.1	.	M	V	Q	K	I	A	Q	A	I	V	R	Q	A	K	E	E	C	A	Q	D	I	Y	F	V	P	K	D	D	C	Y	E	L	Y	M	R	I	G	D	E	R	R	F	I	Q	T	Y	D	F	D	Q	L	A	A	V	I	S	H	F	K	F	L	A	G	M	N	V	G	E	K	R	R	S	Q	L	G	S	C	D	78	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	.	M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	A	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G	S	Y	D	F	E	K	F	A	A	V	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	R	S	Q	L	G	S	C	D	78	
NTDB	id	304789	DV129	RS09130	WP	000249571.1	.	M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	T	A	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G	S	Y	D	F	E	K	F	A	A	V	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	R	S	Q	L	G	S	C	D	78
NTDB	id	270	KZH43	RS09265	WP	000249564.1	.	M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	T	A	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G</																																			

NTDB	id	617	LCA	RS06480	WP	011375001.1	LQLAD	.	QTIY	LRL	ATV	GDF	FLNR	ESL	VIR	FI	YPI	GA	IY	HCDD	QQI	LA	QL	TQMS	RQ	SGL	I	LF	AG	PT	GS	GK	TT	SL	YH	LA	QQ	SM	158																																																
NTDB	id	586	KW2	RS10855	WP	011836048.1	YEL	E	GSS	AKR	LRL	STV	GD	FEG	NES	LVI	RLL	HD	QK	Q	E	L	F	W	F	D	.	DK	.	LQ	D	F	R	CK	R	G	L	Y	F	A	G	P	V	G	S	G	K	T	SL	M	F	D	L	A	H	R	H	F	155																												
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	Y	A	F	A	D	E	G	T	A	A	L	R	L	S	T	V	G	D	Y	Q	R	E	S	L	V	I	R	L	L	F	D	R	K	E	L	F	W	F	D	.	G	N	A	L	L	P	K	I	E	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	Y	E	L	V	S	R	K	Y	159					
NTDB	id	385	SMU	RS09035	WP	00263435.1	Y	S	Y	D	E	G	K	V	I	S	L	R	L	S	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	Y	Q	L	V	K	L	R	F	157		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	Y	S	Y	D	E	G	K	V	I	S	L	R	L	S	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	Y	Q	L	V	K	L	R	F	157		
NTDB	id	429	SGO	RS09420	WP	012130942.1	Y	R	Y	D	D	.	K	E	T	S	I	R	L	S	T	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	L	H	D	E	E	T	E	L	K	F	W	F	T	.	H	F	P	E	L	R	E	K	F	X	D	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	Q	L	A	Q	L	K	F	156
NTDB	id	500	SM12261	RS00945	WP	000249545.1	Y	E	Y	D	Q	.	K	M	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	304789	DV129	RS09130	WP	000249571.1	Y	A	Y	D	Q	.	K	M	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	Y	A	Y	D	H	.	K	I	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	229	SPD	RS09895	WP	000249564.1	Y	A	Y	D	H	.	K	I	A	S	L	R	L																																																																				

NTDB	id	617	LCA	RS06480	WP	011375001.1	S	A	K	M	V	V	A	I	E	D	P	I	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	N	A	G	L	S	Y	A	E	L	K	I	S	L	R	L	R	P	D	T	L	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	238
NTDB	id	586	KW2	RS10855	WP	011836048.1	S	N	A	Q	V	I	T	I	E	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	T	A	R	V	L	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	235			
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	D	S	Q	I	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	N	L	I	K	L	S	R	H	R	P	D	V	L	I	G	E	I	R	D	R	E	T	A	Q	V	I	R	A	S	L	T	G	I	R	V	F	S	T	V	H	A	K	S	I	239		
NTDB	id	385	SMU	RS09035	WP	002263435.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	R	H	R	P	D	L	I	L	I	G	E	I	R	D	K	E	T	A	R	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	237	
NTDB	id	394	FSA28	RS09405	WP	002291652.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	R	H	R	P	D	L	I	L	I	G	E	I	R	D	K	E	T	A	R	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	237	
NTDB	id	429	SGO	RS09420	WP	012130942.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	500	SM12261	RS00945	WP	000249545.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	304789	DV129	RS09130	WP	000249571.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	270	KZH43	RS09265	WP	000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E																								

