

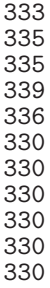
[illegible]

NTDB id	587	KW2 RS10850 WP 042211510.1
NTDB id	395	FSA28 RS09400 WP 257638827.1
NTDB id	386	SMU RS09030 WP 255262721.1
NTDB id	49819	SUA7 RS00790 WP 011921719.1
NTDB id	430	SGO RS09415 WP 012130941.1
NTDB id	271	KZH43 RS09260 WP 074196785.1
NTDB id	230	SPD RS09890 WP 074196785.1
NTDB id	196	SPR RS09425 WP 074196785.1
NTDB id	161	SP RS10375 WP 074196785.1
NTDB id	529	SMSK321 RS09235 WP 080550783.1
NTDB id	501	SM12261 RS00950 WP 004238896.1
consensus		

The sequence logo displays the conservation of each amino acid position across the 13 species listed on the left. Each color corresponds to an amino acid: A (blue), C (green), D (red), E (orange), F (purple), G (light blue), H (pink), I (yellow-green), K (brown), L (dark green), M (grey), N (cyan), P (tan), Q (olive), R (dark red), S (light orange), T (teal), V (dark brown), W (black), Y (light purple). Positions are numbered 1 through approximately 100.

NTDB id 587	KW2 RS10850 WP 042211510.1	F	S	V	G	A	L	I	V	L	L	T	S	L	S	I	I	F	K	H	I	S	A	L	T	N	F	I	F	L	V	K	V	P	L	V	S	S	F	I	R	L	Y	L	T	A	Y	F	S	R	E	W	G	N	L	I	A	Q	G	V	E	L	R	Q	I	E	L	M	K	K	Q	S	R	I	F	A	E	V	G	I	K	L	D			
NTDB id 395	FSA28 RS09400 WP 257638827.1	L	L	G	C	C	F	F	I	L	L	V	G	I	F	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	F	V	G	K	Y	L	Q	L	Y	L	T	A	Y	Y	A	R	E	W	G	N	L	I	G	Q	G	V	E	M	A	Q	I	V	R	L	M	Q	D	Q	K	S	Q	L	F	R	E	I	C	Y	D	M	E
NTDB id 386	SMU RS09030 WP 255262721.1	L	L	G	C	C	F	F	I	L	L	V	G	I	F	T	F	F	S	R	K	I	S	R	L	H	L	I	G	F	C	S	H	L	P	F	A	G	K	Y	L	Q	L	Y	L	T	A	Y	Y	A	R	E	W	G	N	L	I	G	Q	G	V	E	M	A	Q	I	V	R	L	M	Q	D	Q	K	S	Q	L	F	R	E	I	C	Y	D	M	E
NTDB id 49819	SSUA7 RS00790 WP 011921719.1	L	S	L	S	G	L	S	L	V	A	V	L	A	G	M	V	W	F	R	K	T	N	K	I	K	V	F	S	C	L	A	A	L	P	F	F	G	K	L	I	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	S	L	I	G	Q	G	L	D	L	P	Q	I	V	G	L	M	Q	E	Q	S	Q	L	F	R	E	I	G	Q	D	L	E	
NTDB id 430	SGO RS09415 WP 012130941.1	L	T	L	V	M	L	L	G	L	T	G	A	I	Y	L	F	G	K	G	K	R	I	P	V	S	F	L	A	R	L	P	F	V	G	S	F	V	R	I	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	G	Q	G	L	S	Q	I	F	I	M	Q	E	Q	S	V	L	F	Q	E	I	G	Q	D	L	E							
NTDB id 271	KZH43 RS09260 WP 074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	Q	L	F	K	E	V	G	Q	D	L	A		
NTDB id 230	SPD RS09890 WP 074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	Q	L	F	K	E	V	G	Q	D	L	A		
NTDB id 196	SPR RS09425 WP 074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	Q	L	F	K	E	V	G	Q	D	L	A		
NTDB id 161	SP RS10375 WP 074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	S	K	M	S	V	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	Y	A	R																																				

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consensus



-  non conserved
-  similar
-  $\geq 50\%$ conserved