

**Figure S2.**

	Majority	MWPFSSIPVGDRCRVVETLPAEVASLAQGNMSTLDCFTAIAESAKKFLYICSFCCNLSSTKEGVDVKDKLCTLAKEGVDV	
China vaccine	JQ904789	.....G.....	I 80
GX YB goat	JQ904793	.....	80
JS FX goat	JQ904791	.....G.....G.RG..T.TP.....	80
NX YC sheep	JQ904799	.....H.....	80
JL TL sheep	JQ904795	.....	80
USA goat	AY278208	.....L.....	80
USA sheep	AY424970	.....F..L.....	N. 80
USA vaccien	AY278209	.....YF..L.....	N. 80
	Majority	TLLVDVQSKDKDADELREAGVNYKVKVSTREGVGNLLGSFWLSDAGHWYVGSASLTGGSVSTIKNLGLYSTNKHLDL	
China vaccine	JQ904789	.....A..I.....	160
GX YB goat	JQ904793	.....I..T.....	160
JS FX goat	JQ904791	.....I..T.....	160
NX YC sheep	JQ904799	.....I.....	160
JL TL sheep	JQ904795	.....F.....I.....	160
USA goat	AY278208	.....K.....	160
USA sheep	AY424970	.....K.....	160
USA vaccien	AY278209	.....K.....	160
	Majority	MNRVNTFYSMIVEPKVPFTRLCCAVVTPTATNPHLNHSGGGVFFSDSPERFLGFYRTLDEDLVLRHRIENAKNSIDL SLLS	
China vaccine	JQ904789	.....	240
GX YB goat	JQ904793	.....	240
JS FX goat	JQ904791	.....	240
NX YC sheep	JQ904799	.....I.....	240
JL TL sheep	JQ904795	.....I.....	240
USA goat	AY278208	.....I.....D.....	240
USA sheep	AY424970	.....D.....	240
USA vaccien	AY278209	.....D.....	240
	Majority	MVPVIKHASAVEYWPQIIDALLRAAIDRGVVRVRIITEWKNADPLSVSAARSLDDFGVGSVDMSVRKFFVVPGRDDAANNT	
China vaccine	JQ904789	.....G.....R.....	320
GX YB goat	JQ904793	.....G.....R.....	320
JS FX goat	JQ904791	.....G.....R.....	320
NX YC sheep	JQ904799	.....N.....	320
JL TL sheep	JQ904795	.....N.....	320
USA goat	AY278208	.....N.....G.....	320
USA sheep	AY424970	.....R.....	320
USA vaccien	AY278209	.....	320
	Majority	KLLIVDDTF AHLTVANLDGTHYRYHAFVSVNAEKGDIVKDL SAVFERDWRSEFCKPIN	
China vaccine	JQ904789	.....	378
GX YB goat	JQ904793	.....	378
JS FX goat	JQ904791	.....	378
NX YC sheep	JQ904799	.....Q.....	378
JL TL sheep	JQ904795	.....	378
USA goat	AY278208	.....	378
USA sheep	AY424970	.....	378
USA vaccien	AY278209	.....	378