

Table S1. Tested Spy-Vaccine Antigens

<b>Spy-antigen</b>	<b>Size (kDa)</b>	<b>Expression system</b>	<b>Organism</b>	<b>Genebank Accession number</b>
HIS-CTLA-4-SpyTag	15	Baculovirus	<i>Mus musculus</i>	NP_033973.2
HIS-PD-L1-SpyTag	27	Baculovirus	<i>Mus musculus</i>	NP_068693.1
SpyCatcher-Survivin-HIS	30	Baculovirus	<i>Mus musculus</i>	NP_033819.1
HIS-SpyCatcher-IL-5	33	Baculovirus	<i>Mus musculus</i>	NP_034688.1
SpyCatcher-HER2-HIS	83	Baculovirus	<i>Homo Sapiens</i>	AAA75493.1
PCSK9-SpyCatcher-HIS	84	Baculovirus	<i>Homo Sapiens</i>	NP_777596.2
SpyCatcher-CIDR-HIS	32	Baculovirus	<i>P. falciparum</i>	XP_001349512.1
HIS-CSP-SpyCatcher	53	Baculovirus	<i>P. falciparum</i>	XP_001351122.1
SpyTag-VAR2CSA (domain region DBL1-ID2a)-HIS	118	E. coli SHuffle® C3029H	<i>P. falciparum</i>	ADG23053.1
HIS-Pfs25- SpyCatcher	40	E. coli SHuffle® C3029H	<i>P. falciparum</i>	XP_001347587.1
SpyCatcher-Ag85A-HIS	48	One Shot® BL21 Star™ (DE3)	<i>M. tuberculosis</i>	AAK48277.1