

**Table S2** List of primers used to construct vectors

Construct name	Used primer pair	
pA68-DsRed	forward	5'-CCCTCGAGACCATGTGGGTCATGGAGCCTCG-3'
	reverse	5'-TGGAATTCTTACACTTTAGGATCCGTGAGAG-3'
pB118-DsRed	forward	5'-CCCTCGAGACCATGATGCCCCAACCTTCCTC-3'
	reverse	5'-AGGAATTCTCACACTTTCTGTGGGAGAGA-3'
pluc-DsRed	forward	5'-AACCTCGAGATGGAAGACGCCAAAAACAT-3'
	reverse	5'-AGGAATTCTTAGAGGTCTCGATCCCACTT-3'
pCXSN-A68	forward	5'-CCCTCGAGACCATGTGGGTCATGGAGCCTCG-3'
	reverse	5'-AAGCGCCGCTTACACTTTAGGATCCGTGAGAG-3'
pCXSN-A68-HA	forward	5'-CCCTCGAGACCATGTGGGTCATGGAGCCTCG-3'
	reverse	5'-AAGCGCCGCTTAAGCGTAATCTGGAACATCGTATGGGTACACTTTAGGATCCGTGAGAG-3'
pCXSN-equine $\beta$ 2m	forward	5'-CCCTCGAGACCATGGCTCGCGTCGTGGCGCT-3'
	reverse	5'-AAGCGCCGCTCAGAGGTCTCGATCCCACTTAAC-3'
pCXSN-gD	forward	5'-CCCTCGAGACCATGTCTACCTTCAAGCTTAT-3'
	reverse	5'-AAGCGCCGCTTACGGAAGCTGGGTATATTTAAC-3'
pME18S-A68-IgG Fc	forward	5'-CCCTCGAGGGCTCCCACTCCATGATGTA-3'
	reverse	5'-CCCTCGAGCCATCTCAGGGTGACGGGCTC-3'
pME18S-gD-IgG Fc	forward	5'-CCCTCGAGGCGGTTTCGAGGACGCCAGG-3'
	reverse	5'-CCCTCGAGACCGACGCTGATGCCACA-3'
pENTR-H1-sh $\beta$ 2m1	forward	5'-TCCGTTGGGTGACGTGAGTAAACCTTTTTGGAAATCTAGACCCAGCTTTCTTG-3'
	reverse	5'-CAGCACACGTTGAGTGACATGAGCAAACCGGGGATCTGTGGTCTCATAACAGAAC-3'
pENTR-H1-sh $\beta$ 2m2	forward	5'-TCCGTTGGAACCCAGAGACATAGCTTTTTGGAAATCTAGACCCAGCTTTCTTG-3'
	reverse	5'-CAGCACACGTTGAAACCCAGAGACACAGCGGGGATCTGTGGTCTCATAACAGAAC-3'
pENTR-H1-sh $\beta$ 2m3	forward	5'-TCCGTTGGCATCCAAGCAGACCACTTTTTGGAAATCTAGACCCAGCTTTCTTG-3'
	reverse	5'-CAGCACACGTTGACATCCAAGCAAACCACGGGGATCTGTGGTCTCATAACAGAAC-3'
pENTR-H1-sh $\beta$ 2m4	forward	5'-TCCGTTGAAATTGAGACACATAGCTTTTTGGAAATCTAGACCCAGCTTTCTTG-3'
	reverse	5'-CAGCACACGTTGAAACTGAGACACACAGCGGGGATCTGTGGTCTCATAACAGAAC-3'
pENTR-H1-shluc	forward	5'-TCCGATTAAGACGACTCGAAATCTTTTTGGAAATCTAGACCCAGCTTTCTTG-3'
	reverse	5'-CAGCACACGTATCAAGACGACCCGAAATCGGGGATCTGTGGTCTCATAACAGAAC-3'