

**Table S2. Primers used in this study.**

Plasmids	Forward primer	Reverse primer
pcDNAI-YN-Flag-B55 $\beta$ 1	5'-GGCTCGAGGTACCAAGCT TGAATTCGACTACAAAGACG ATGACGATAAA-3'	5'-GGTCTAGAGGACTAGTATTC AGTATG-3'
pcDNAI-YC-Flag-B55 $\beta$ 1	5'-GGCTCGAGGTACCAAGCT TGAATTCGACTACAAAGACG ATGACGATAAA-3'	5'-GGTCTAGAGGACTAGTATTC AGTATG-3'
pcDNAI-YN-Flag-B55 $\beta\alpha\beta$	5'-GGCTCGAGGTACCAAGCT TGAATTCATGGAGGAGGACA TTCAATGG-3'	5'-GGTCTAGAGGACTAGTATTC AGTATG-3'
pcDNAI-YC-Flag-B55 $\beta\alpha\beta$	5'-GGCTCGAGGTACCAAGCT TGAATTCATGGAGGAGGACA TTCAATGG-3'	5'-GGTCTAGAGGACTAGTATTC AGTATG-3'
pcDNAI-YN-Flag-B55 $\beta$ 2 pcDNAI-YN-Flag-B55 $\beta$ 2mut	5'-GGCTCGAGGGCCACCAA GCTTATGAAATGCTTCTCTCG TTAC-3'	5'-GGTCTAGACTGCAGAATTCC ACCACA-3'
pcDNAI-YC-Flag-B55 $\beta$ 2 pcDNAI-YC-Flag-B55 $\beta$ 2mut	5'-GGCTCGAGGGCCACCAA GCTTATGAAATGCTTCTCTCG TTAC-3'	5'-GGTCTAGACTGCAGAATTCC ACCACA-3'
pcDNAI-YN-Myc- $\alpha$ 4 pcDNAI-YN-Myc- $\alpha$ 4mut	5'-GGAGATCTGCCACCATGG AGCAAAAGCTCATTTCTGAA GAGGACTTGATGGCTGCTGA GGACGAGTTAC-3'	5'-GGGTCGACTCAGCCCATGTT CTGTCCG-3'
pcDNAI-YN-Flag-B55 $\beta$ 2 pcDNAI-YN-Flag-B55 $\beta$ 2mut	5'-GGCTCGAGGGCCACCAA GCTTATGAAATGCTTCTCTCG TTAC-3'	5'-GGTCTAGACTGCAGAATTCC ACCACA-3'
pcDNAI-YN-Myc- $\alpha$ 4 pcDNAI-YN-Myc- $\alpha$ 4mut	5'-GGAGATCTGCCACCATGG AGCAAAAGCTCATTTCTGAA GAGGACTTGATGGCTGCTGA GGACGAGTTAC-3'	5'-GGGTCGACTCAGCCCATGTT CTGTCCG-3'
pFLAG-CMV2-A $\alpha$ -YN	5'-GGGAATTCGGCACGAGCC AAGAT-3'	5'-GGGCTAGCGGCAAGAGAGA GAACAGTCAG-3'
pFLAG-CMV2-C $\alpha$ -YN	5'-GGGAATTC AATGGACGAG AAGGTGTTAC-3'	5'-GGGCTAGCCAGGAAGTAGT CTGGGGTACG-3'
pFLAG-CMV2-B55 $\delta$ -YN	5'-GGGAATTC AATGGCAGGA GCCGG-3'	5'-GGGCTAGCATTAATTTTGTG CTGGAATATATA-3'

pFLAG-CMV2-B55β2-YN	5'-GGCTCGAGGGCCACCAA GCTTATGAAATGCTTCTCTCG TTAC-3'	5'-GGTCTAGAATTAACCTTGTC CTGGAATATATA-3'
pCMV-HA-Aα-YC	5'-GGGAATTCGGGCACGAGC CAAGATGGCAG-3'	5'-GGGGTACCGCAAGAGAGA GAACAGTCAG-3'
pCMV-HA-Cα-YC	5'-GGGAATTCGGATGGACGA GAAGGTGTTCACCA-3'	5'-GGGGTACCCAGGAAGTAGT CTGGGGTACG-3'
pCMV-HA-B55δ-YC	5'-GGGAATTCGGATGGCAGG AGCCG-3'	5'-GGGGTACCATTAATTTTGTC CTGGAATATATA-3'
pCMV-HA-B55β2-YC	5'-GGCTCGAGGGCCACCAA GCTTATGAAATGCTTCTCTCG TTAC-3'	5'-GGGGTACCAGCGTAGTCTG GGACGTCGTATGGGTAATTAA CCTTGTCCTGGAATAT-3'
pCMV-Myc-α4-YC pCMV-Myc-α4mut-YC	5'-GGGGGCCCGCCACCATGG AGCAAAAGCTCATTTCTGAA GAGGACTTGATGGCTGCTGA GGACGAGTTAC-3'	5'-GGGGTACCGCCCATGTTCTG TCGGTTC-3'
pECFP-N1-Flag-B55β2 pECFP-N1-Flag-B55β2mut	5'-GGAAGCTTGCGCCACCAT GAAATGCTTCTC-3'	5'-GGGTCGACTGTTTATCGTCA TCGTCTTTGTAGTCATTAACCT TGTCTGGAATATATATAAG-3'
pECFP-C1-PP2Aα	5'-GGGGATCCATGGACGAGA AGGTGTTC-3'	5'-GGGAATTCCTTACAGGAAGT AGTCTGGGG-3'