

## Additional File 1. Primer sequences for regions cloned into pDisplay vector

Gene	Region	Primer Sequence
pknbpxb	I (pDisplay)	Sense: 5'-ccccagatctTCATGTAAGGACAATAATAG-3' Antisense: 5'-ccccgtcgacTAGAAATGACGTAATATCTC-3'
	II (pDisplay)	Sense: 5'-ccccagatctACACAAGTGAATAATTTGGA-3' Antisense: 5'-ccccgtcgacATTGGAATAAAGAATATGTTC-3'
	III (pDisplay)	Sense: 5'-ccccagatctAGAGATATTACGTCATTTCT-3' Antisense: 5'-ccccgtcgacGTATTCTTTTATCAACGTGT-3'
	IV (pDisplay)	Sense: 5'-ccccagatctGAACATATTCTTTATTCCAAT-3' Antisense: 5'-ccccgtcgacGGTACTTTCCTTATTAACAA-3'
	V (pDisplay)	Sense: 5'-ccccagatctGACACGTTGATAAAAGAATA-3' Antisense: 5'-ccccgtcgacGTCCACAAGGGATGATTT-3'
	VI (pDisplay)	Sense: 5'-ccccagatctGTTGTTAATAAGGAAAGTAC-3' Antisense: 5'-ccccgtcgacGAACATTTCCATATACGAAT-3'
	VII (pDisplay)	Sense: 5'-ccccagatctTCATCCCTTGTGGACATG-3' Antisense: 5'-ccccgtcgacGTAGACATCTTCTGTTCC-3'
	VIII (pDisplay)	Sense: 5'-ccccagatctGATTCGTATATGGAAATGTT-3' Antisense: 5'-ccccgtcgacGTCCACATTATTAGAATTATT-3'