

Supplemental Data

File S3. Primers and sequences used for cloning

Name	Sequence 5' to 3'	Use
112 F	GAGCTCTTCGACGATGGACCAAGTCCAACCTCGT	pJRK112 GFP nanobody amplification
112 R	CCGCTCTTCGGCAGGAGGAGACGGTGACTTGGG	pJRK112 GFP nanobody amplification
120 F	CTGCTCTTCGAAGATGTCCTACAACGGCTCCTA	pJRK120 par-6 cDNA amplification
120 R	CTGCTCTTCGCGTGTCCTCTCCACTGTCCGAA	pJRK120 par-6 cDNA amplification
248a F	GCATGGATGTTTTCCAGTCACGACGTTGTAAAC	pJRK248 Gibson assembly fragment A
248a R	GAAAGCAAAAATCTGAATCTCAAATATTTTATTAGAAAA CACCAAC	pJRK248 Gibson assembly fragment A
248b F	ATTTGAGATTGAGATTTTTGCTTTCGTCGTAAATC	pJRK248 Gibson assembly fragment B
248b R	GTCGTGACTGGGAAAACATCCATGCTAGCGTTAAC	pJRK248 Gibson assembly fragment B
259a F	CATCATTCAACATCAATACCAATGCATTCTGCGTCTG	pJRK259 Gibson assembly fragment A
259a R	AAAAGTGCTCATCATTGAAAACGTTCTTCGGGGCGA	pJRK259 Gibson assembly fragment A
259b F	ACGTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATG	pJRK259 Gibson assembly fragment B
259b R	GCATTGGTATTGATGTTGAATGATGATTTTGATGGTAG	pJRK259 Gibson assembly fragment B
142 F	CTGCTCTTCGTGGGGTTTCGGTTTTGTCACTGTA	pJRK142 Phsp-16.48 amplification
142 R	AGGCTCTTCGCTTTTCTTGAAGTTTAGAGAATG	pJRK142 Phsp-16.48 amplification
143 F	CTGCTCTTCGTGGTAATTTTCGAAAT	pJRK143 Pelt-2 amplification
143 R	GTGCTCTTCGCTTTCTATAATCTATTTTCTAGT	pJRK143 Pelt-2 amplification
246 F	AGCTGCTCTTCGTGGCAGGTCGACTCCACGTAATT	pJRK246 Pwrt-2 amplification
246 R	GTGCTCTTCGCTTCCGAGAAACAATTGGCAGGT	pJRK246 Pwrt-2 amplification
260a F	ACCGCAATTTTAAATCAAGCTTATCGATACCGTCG	pJRK260 Gibson assembly fragment A
260a R	CGAAAGCAAAAATCCAATCGAATTCCTGCAGCC	pJRK260 Gibson assembly fragment A
260b F	GAATTCGATTGGATTTTTGCTTTCGTCGTAAATCTACAC AC	pJRK260 Gibson assembly fragment B
260b R	GGAGGAGACGGTGACTTGGG	pJRK260 Gibson assembly fragment B

260c F	ATGAACGGAGCTATCGGAGG	pJRK260 Gibson assembly fragment C
260c R	GATAAGCTTGATTAATAAATTGCGGTCATAAACTGAAAC	pJRK260 Gibson assembly fragment C
260 gBlock	GACAAGGAACCCAAGTCACCGTCTCCTCCGGCGGTGG GGGAGAGGGACGTGGATCCCTCCTCACCTGCGGAGAC GTCGAGGAGAACCCAGGACCAATGAACGGAGCTATCG GAGGAGACCTTCTC	pJRK260 gBlock Fragment C
261a F	ACCGCAATTTTAAATCAAGCTTATCGATACCGTCG	pJRK261 Gibson assembly fragment A
261a R	CCAATCGAATTCCTGCAGCC	pJRK261 Gibson assembly fragment A
261b F	ATGAAGATGGATAAGAAGAC	pJRK261 Gibson assembly fragment B
261b R	GATAAGCTTGATTAATAAATTGCGGTCATAAACTGAAAC	pJRK261 Gibson assembly fragment B
261 gBlock	GGCTGCAGGAATTTCGATTGGCGAAGAGCGCATGCCTG CAGGTCGACTCTAGAGGATCCCCGGGTACCGAGCTCG AATTCCTATGGATCCACTAGTCATATGGAATTCTGCAG GCCTGCTCTTCGATGAAGATGGATAAGAAGAC	pJRK261 gBlock Fragment C
262a F	ATTCGATTGGTAATTTTCGAAATGTATGAACTCCAATTC	pJRK262 Gibson assembly fragment A
262a R	GTTGCATCCATTCTATAATCTATTTTCTAGTTTCTATTTT ATTAG	pJRK262 Gibson assembly fragment A
262b F	ATAGATTATAGAATGGATGCAACCAGCGAGCG	pJRK262 Gibson assembly fragment B
262b R	CCCCCACC GCCGACATTGTGTGCAAATTCTGAGAAGTA TGG	pJRK262 Gibson assembly fragment B
262c F	GCACACAATGTCGGCGGTGGGGGAATGTCCAA	pJRK262 Gibson assembly fragment C
262c R	AGAGTAATTGGATTACTTGTAGAGCTCGTCCATTCCTC C	pJRK262 Gibson assembly fragment C
262d F	TCTACAAGTAATCCAATTACTCTTCAACATC	pJRK262 Gibson assembly fragment D
262d R	TTCGAAATTACCAATCGAATTCCTGCAGCC	pJRK262 Gibson assembly fragment D
263a F	ATTCGATTGGTAATTTTCGAAATGTATGAACTCCAATTC	pJRK263 Gibson assembly fragment A
263a R	TCGTGGGACATTCTATAATCTATTTTCTAGTTTCTATTTT ATTAG	pJRK263 Gibson assembly fragment A
263b F	ATAGATTATAGAATGTCCACGAGTCATCGGAAAAAG	pJRK263 Gibson assembly fragment B
263b R	CCTTTACTCATATGACGTGGCACCCAAATTG	pJRK263 Gibson assembly fragment B
263c F	GTGCCACGTCATATGAGTAAAGGAGAAGAATTGTTAC	pJRK263 Gibson assembly fragment C
263c R	AGAGTAATTGGATTACGTGTAGAGCTCGTCCATTC	pJRK263 Gibson assembly fragment C
263d F	TCTACACGTAATCCAATTACTCTTCAACATC	pJRK263 Gibson assembly fragment D

263d R	TTCGAAATTACCAATCGAATTCCTGCAGCC	pJRK263 Gibson assembly fragment D
264a F	ATTCGATTGGTAATTTTCGAAATGTATGAACTCCAATTC	pJRK264 Gibson assembly fragment A
264a R	GATTTTCGCTCTGACTCGTGGGACATTCTATAATC	pJRK264 Gibson assembly fragment A
264b F	CCCACGAGTCAGAGCGAAAATCAGATGCAG	pJRK263 Gibson assembly fragment B
264b R	AGAGTAATTGGATTACGTGTAGAGCTCGTCCATTC	pJRK263 Gibson assembly fragment B
264c F	TCTACACGTAATCCAATTACTCTTCAACATC	pJRK263 Gibson assembly fragment C
264c R	TTCGAAATTACCAATCGAATTCCTGCAGCC	pJRK263 Gibson assembly fragment C