

Table S3. Primer sequences to characterise mouse Rabs.

Rab	Forward primer	Tm/°C	Reverse primer	Tm/°C	PCR product size (bp)
1a	atgtgacagatcaggagtcc	57.3	TGACTGCTTGACTGGAGTGC	59.4	326
1b	actgaccaggagtcttacgc	61.4	TAGCAGCAGCCACCGCTAGC	63.5	335
2a	cgttcaaccacttgacaacc	57.3	TCAACAGCAGCCTCCCCCTG	63.5	359
2b	gacctcatggttagaggacg	59.4	TCAGAAACGTTCTGCTGAGG	57.3	333
3a	ttaatgcagtgcaggactgg	57.3	CAGGCACAATCCTGATGAGG	59.4	329
3b	cacagcctactacctggggg	63.5	TGGGGTGTCTGAGAGCCGCG	65.5	367
3c	accacagcctactatcgagg	59.4	TAGCAGCCACAGTTGGGCTG	61.4	345
3d	aaccaggagtcttcaccgc	61.4	CTAACAGCTGCAGCTGCTCG	61.4	329
4a	ggggcactcctgtctatga	61.4	GCACTGGTTTCCAGGAACAT	59.4	331
4b	gcttgctaactgatccccg	61.4	CTGGCGGAGGGATATGTCCG	63.5	288
5a	accgaggagcacaagcagcc	63.5	CTACAACACTGGCTTCTGGC	59.4	371
5b	caggaaacgttctcggggc	61.4	AACACTGGCTCTTGTTCTGC	57.3	325
5c	acagatacattgcacgggc	57.3	CTCTCCTGCAGATCCACACC	61.4	336
6a	attcgagactccactgtggc	59.4	CTTCATTGACTGGTTGCTCC	57.3	364
6b	gattgatgacgtcaggacgg	59.4	GCTCCTGAGGCTTGTCCAGC	63.5	275
7a	ccccaacactttcaaaacc	57.3	TGGCCCGGTCATTCTTGTCC	61.4	320
7b	tccagatcctttgaagccc	59.4	AGCAGCATCTGCTCTTTGGC	59.4	323
8a	agtccttgacaacatccgg	57.3	ACTGCACCGGAAGAAGCTGG	61.4	332
8b	tgctggtctatgacatcacc	57.3	ACTGGTCTTCTTAGACCGGC	59.4	347
9a	gtgtcgatgattcacagagc	57.3	AAGATGAGTTTGGCTTGGGC	57.3	336
9b	ccggcagagctttgagaacc	61.4	GAAGAACTTGCTTTGGAGCC	57.3	324
10	gtgtatgacatcaccaacgg	57.3	GCAGCACTTGCTCTTCCAGC	61.4	339
11a	cgatggctgaagaactgag	57.3	GACAGCACTGCACCTTTGGC	61.4	331
11b	aaggagctcgggatcatgc	61.4	ACAGGCTCTGGCAGCACTGC	63.5	337
12	caagaccagcctgatggagc	61.4	TTCTTGGCCTGCTGTGTCCC	61.4	136
13	attaccgtggagccatgggc	61.4	TCAGGCCAGTGCTTGAGGGC	63.5	339
14	agctgcaggtcgcctcatgg	63.5	TGGGGTTCAGTGGTTAGCCG	61.4	372
15	cagtgagcgtcctatcagc	61.4	GAGTTTGCTGGGCCCTCAGG	63.5	345
17	ggattcctttcacaagggccc	59.4	ATCGTGCACAGCACTGGCGC	63.5	335
18	ttatagaggtgcacaggag	57.3	CACAGAGCAGTAACCGCCGC	63.5	325
19	atgatctcacacggcgtcc	61.4	TCTCATTGGGGACCTGGGCC	63.5	284
20	caaagtggacctgacctcg	61.4	CCGGATCTAGTCTGTTTGGG	59.4	349
21	taccgagattcgaacggagc	59.4	CCGCTGCTCTGAGCTTGAGG	63.5	278
22a	tgagagagctccgccagcac	63.5	AGCAGCTTCGCTTTGGCTCC	61.4	267

Rab	Forward primer	Tm/°C	Reverse primer	Tm/°C	PCR product size (bp)
22b	gctcctatgtactaccgagg	59.4	TTCCCAAGCTTGATCCCGCC	61.4	341
23	tataccaaccgactggtgc	59.4	GTTTCTGGTTCTCTTGGTCC	57.3	349
24	acctcactgacagcagcagc	61.4	AGTAAGGGTTTGCCTTCTGG	57.3	325
25	ggcactcctggtatttgacc	59.4	GGATCCTGTCCAGCTTGGGC	63.5	342
26	tgctgctctacgacatcacc	59.4	GAGTCGACAGCAGGAGACCC	63.5	349
27a	gttcgacctgacaatgagc	57.3	TCCTCACTTAGCTGATCCGC	59.4	345
27b	acctcaccagtaacagagc	59.4	CTGCTGGCTTTTCCCATCC	61.4	339
28	aagagtcaaaaactcagccc	57.3	ACATGGAGCTCCGAGGAGGG	63.5	306
30	aagcgcaatgccttgatcc	59.4	ATGCTTTTCCCCTCTCCGGG	61.4	342
32	atcttcccaacggcagcccc	63.5	TCAGCAGCACTGGGACCTGG	63.5	293
33a	ccaagatgacctcttcacc	59.4	AAGGACAGGAGGCTTTACCG	59.4	351
33b	catggccagcttcacagcc	63.5	ACCAGCAAGTCACCGCAGGC	63.5	328
34	actaccgtggagctcaagcc	61.4	ACAACATCTGCAATGTGCCG	57.3	349
35	tattatcgggggacccatgg	59.4	TGGTGAGCTTCACCACATCG	59.4	346
36	taccaggcaatggctggagg	61.4	TTAACAGCAGCCTAGGCCGG	61.4	364
37	atgacatcaccaaccagtcc	57.3	GCTGGAGCGCTTCTTCTGGG	63.5	326
38	acgctccctaatggttaagcc	59.4	AGCAGCTGACAACCTTGGGC	61.4	280
39a	taccgcaactcagttggagg	59.4	CAGAAGCACTCTTTTCTGGG	57.3	391
39b	tcactcgcctactacagg	61.4	ACAAATCCACTCTTCACCCC	57.3	361
40b	aggtgcccaactgaacaggcc	63.5	GGATGGTCTGACTTTCCGG	61.4	378
42	tgaacacatccaagcctggc	59.4	GGCATGTGCCTGAGTCCTGC	63.5	338
43	acatcagcaagaggagcacc	59.4	CCGCAATGTCTTGCTGTCC	61.4	321
44	tgcttcgaaggcagagggg	63.5	CCAATGAGGCTTTCAGGCCG	61.4	312