<u>Supplemental Table I</u>: List of primers used for cloning: 1-6: primers used for cloning of the bait construct, 7-12: primers used for cloning of the pMX-flag-TLR4-IRES-GFP vector, 13-16: primers used for cloning of the pE-CMV-TLR4 vector, 17-78: primers used for mutagenesis of the TLR4 TIR domain, 79-80: primers used for cloning of the flag-tagged TRAM vector.

Number	Construct	Primers
1	TLR4ic prey from pCLL	5'-GCGAATTCTGCATAAAGTATGGTAGAGG-3'
2	TLR4ic prey from pCLL	5'-CGCTGCGGCCGCTCAGATAGATGTTGC-3'
3	TLR4ic from pCLL into pCLG	5'-GCGGATCCTGCATAAAGTATGGTA-3'
4	TLR4ic from pCLL into pCLG	5'-GCGCGGCCGCTCAGATAGATGTTGC-3'
5	From pCLG to pMX: insertion AgeI	5'-GTGGGTGGGTCGACGAGCTCCACCGGTTGCATAAAGTATGGTAG-3'
6	From pCLG to pMX: insertion AgeI	5'-CTACCATACTTTATGCAACCGGTGGAGCTCGTCGACCCACCCAC-3'
7	pMX-flag-TLR4-IRES-GFP: deletion NgoMIV	5'-CACCTAGATCCTTTTGCGACCGGCCGCAAATCAATC-3'
8	pMX-flag-TLR4-IRES-GFP: deletion NgoMIV	5'-GATTGATTTGCGGCCGGTCGCAAAAGGATCTAGGTG-3'
9	pMX-flag-TLR4-IRES-GFP: insertion StuI-XhoI	5'-GATCCGGCAGGCCTCGTGCTGACCTACTCTCGAGGC-3'
10	pMX-flag-TLR4-IRES-GFP: insertion StuI-XhoI	5'-GGCCGCCTCGAGAGTAGGTCAGCACGAGGCCTGCCG-3'
11	pMX-flag-TLR4-IRES-GFP: insertion NgoMIV	5'-CACCTGATGCTTCTTGCCGGCTGCATAAAGTATGG-3'
12	pMX-flag-TLR4-IRES-GFP: insertion NgoMIV	5'-CCATACTTTATGCAGCCGGCAAGAAGCATCAGGTG-3'
13	pE-CMV-TLR4 from pFlag CMV1 – TLR4 vector (gift from Dr. O'Neill): mutagenese primer insertion of SacII	5'-CTGCAGTTGCTGACTACCGCGGCGATGACGACAAGCTTG-3'
14	pE-CMV-TLR4 mutagenese primer	5'-CAAGCTTGTCGTCATCGCCGCGGTAGTCAGCAACTGCAG-3'
15	pE-CMV-TLR4 from pFlag CMV1 – TLR4 vector (gift from Dr. O'Neill): annealing primer E-tag	5'-GGTAGTGCGCCGGTGCCGTATCCGGACCCGCTGGAACCGCGTGCGGCCGCGAATTCAT -3'
16	pE-CMV-TLR4: annealing primer E-tag	5'-CGATGAATTCGCGGCCGCACGCGGTTCCAGCGGGTCCGGATACGGCACCGGCGCATACCCGC-3'
17	TLR4ic R731A	5'-GGTTTCCATAAAAGCGCAAAGGTGATTGTTGTGGTGTCCC-3'
18	TLR4ic R731A	5'-GGGACACCACAACAATCACCTTTGCGCTTTTATGGAAACC-3'
19	TLR4ic Y674A	5'-GGTAGAGGTGAAAACATCGCGGATGCATTTGTTATCTACTCAAGCC-3'
20	TLR4ic Y674A	5'-GGCTTGAGTAGATAACAAATGCATCCGCGATGTTTTCACCTCTACC-3'
21	TLR4ic E698A	5'-GCTAGTAAAGAATTTAGAAGCAGGTGTGCCTCCATTTCAGC-3'
22	TLR4ic E698A	5'-GCTGAAATGGAGGCACACCTGCTTCTAAATTCTTTACTAGC-3'
23	TLR4ic Q704A	Purchased from GENEART
24	TLR4ic R710A	5'-GCTCTGCCTTCACTACGCCGACTTTATTCCCGG-3'
25	TLR4ic R710A	5'-CCGGGAATAAAGTCGGCGTAGTGAAGGCAGAGC-3'
26	TLR4ic D711A	5'-GCCTTCACTACAGAGCATTCATTCCCGGTGTGGCC-3'
27	TLR4ic D711A	5'-GGCCACACCGGGAATGAATGCTCTGTAGTGAAGGC-3'
28	TLR4ic RD711-2AA	5'-CAGCTCTGCCTTCACTACGCCGCATTCATTCCCGGTGTGGCC-3'
29	TLR4ic RD711-2AA	5'-GGCCACACCGGGAATGAATGCGGCGTAGTGAAGGCAGAGCTG-3'
30	TLR4ic Poc	5'-GGACTGGGTAAGGAATGAGCTCAATAAGAATTTAGAAGAAGGGGTGCC-3'

31	TLR4ic Poc	5'-GGCACCCCTTCTTCTAAATTCTTATTGAGCTCATTCCTTACCCAGTCC-3'
32	TLR4ic P714H	5'-CCTTCACTACAGAGACTTTATCCATGGTGTGGCCATTGCTGCC-3'
33	TLR4ic P714H	5'-GGCAGCAATGGCCACACCATGGATAAAGTCTCTGTAGTGAAGG-3'
34	TLR4ic S744A	5'-GCACTTCATCCAGGCGCGCTGGTGTATCTTTGAATATG-3'
35	TLR4ic S744A	5'-CATATTCAAAGATACACCAGCGCGCCTGGATGAAGTGC-3'
36	TLR4ic R745A	5'-GCACTTCATCCAGAGCGCTTGGTGTATCTTTGAATATGAG-3'
37	TLR4ic R745A	5'-CTCATATTCAAAGATACACCAAGCGCTCTGGATGAAGTGC-3'
38	TLR4ic C747S	5'-GCACTTCATCCAGAGCCGCTGGTCAATATTTGAATATGAGATTGC-3'
39	TLR4ic C747S	5'-GCAATCTCATATTCAAATATTGACCAGCGGCTCTGGATGAAGTGC-3'
40	TLR4ic C747A	5'-CCAGAGCCGCTGGGCAATATTTGAATATGAGATTGC-3'
41	TLR4ic C747A	5'-GCAATCTCATATTCAAATATTGCCCAGCGGCTCTGG-3'
42	TLR4ic Y751A	5'-GGTGTATCTTTGAAGCTGAGATTGCTCAGACCTG-3'
43	TLR4ic Y751A	5'-CAGGTCTGAGCAATCTCAGCTTCAAAGATACACC-3'
44	TLR4ic E752A	5'-GGTGTATCTTTGAATATGCAATTGCTCAGACCTGGC-3'
45	TLR4ic E752A	5'-GCCAGGTCTGAGCAATTGCATATTCAAAGATACACC-3'
46	TLR4ic YE751-2AA	5'-GGTGTATCTTTGAAGCTGCAATTGCTCAGACCTGGC-3'
47	TLR4ic YE751-2AA	5'-GCCAGGTCTGAGCAATTGCAGCTTCAAAGATACACC-3'
48	TLR4ic EK775-6AS	5'-GTCCTGCAGAAGGTGGCGTCGACCCTGCTCAGGCAG-3'
49	TLR4ic EK775-6AS	5'-CTGCCTGAGCAGGGTCGACGCCACCTTCTGCAGGAC-3'
50	TLR4ic Q781A	5'-GAAGACCCTGCTCAGGGCCCAGGTGGAGCTGTACCG-3'
51	TLR4ic Q781A	5'-CGGTACAGCTCCACCTGGGCCCTGAGCAGGGTCTTC-3'
52	TLR4ic N792A	Purchased from GENEART
53	TLR4ic E796A	5'-CCGCCTTCTCAGCAGGAATACGTACCTGGCCTGGGAGGACAGTGTCC-3'
54	TLR4ic E796A	5'-GGACACTGTCCTCCCAGGCCAGGTACGTATTCCTGCTGAGAAGGCGG-3'
55	TLR4ic EWE796-8AWA	5'-GGAACACTTACCTGGCATGGGCGGATAGTGTCCTGGGGCGGCAC-3'
56	TLR4ic EWE796-8AWA	5'-GTGCCGCCCCAGGACACTATCCGCCCATGCCAGGTAAGTGTTCC-3'
57	TLR4ic E798A	Purchased from GENEART
58	TLR4ic Y794F	5'-GCAGGAACACTTTTCTCGAGTGGGAGGACAGTGTCC-3'
59	TLR4ic Y794F	5'-GGACACTGTCCTCCCACTCGAGAAAAGTGTTCCTGC-3'
60	TLR4ic Y794A	5'-CCTTCTCAGCAGGAACACTGCACTGGAGTGGGAGG-3'
61	TLR4ic Y794A	5'-CCTCCCACTCCAGTGCAGTGTTCCTGCTGAGAAGG-3'
62	TLR4ic R810S	Purchased from GENEART
63	TLR4ic K813A	5'-CTGGAGACGACTCAGATCTGCCCTGCTGGATGGTAAATCATGG-3'
64	TLR4ic K813A	5'-CCATGATTTACCATCCAGCAGGGCAGATCTGAGTCGTCTCCAG-3'
65	TLR4ic C706L	5'-GAATTTAGAAGAAGGGGTACCTCCATTTCAGCTCCTCCTTCACTACAGAGAC-3'
66	TLR4ic C706L	5'-GTCTCTGTAGTGAAGGAGGAGCTGAAATGGAGGTACCCCTTCTTCTAAATTC-3'
67	TLR4ic C706A	5'-GAATTTAGAAGAAGGGGTACCTCCATTTCAGCTCGCCCTTCACTACAGAGAC-3'
68	TLR4ic C706A	5'-GTCTCTGTAGTGAAGGGCGAGCTGAAATGGAGGTACCCCTTCTTCTAAATTC-3'
69	TLR4ic Q755A	5'-CTTTGAATATGAGATTGCTGCCACGTGGCAGTTTCTGAGCAG-3'
70	TLR4ic Q755A	5'-CTGCTCAGAAACTGCCACGTGGCAGCAATCTCATATTCAAAG-3'
71	TLR4ic W757A	5'-GAGATTGCTCAGACCGCCCAGTTTCTGAGCAGTCGTGC-3'
72	TLR4ic W757A	5'-GCACGACTGCTCAGAAACTGGGCGGTCTGAGCAATCTC-3'
73	TLR4ic QTW757-9AAA	5'-GGTGTATCTTTGAATATGAGATTGCTGCAGCAGCCCAGTTTCTGAGCAGTCG-3'
74	TLR4ic QTW757-9AAA	5'-CGACTGCTCAGAAACTGGGCTGCTGCAGCAATCTCATATTCAAAGATACACC-3'
75	TLR4ic C831A	5'-GAAGGAACAGTGGGTACCGGAGCCAATTGGCAGGAAGCAAC-3'

76	TLR4ic C831A	5'-GTTGCTTCCTGCCAATTGGCTCCGGTACCCACTGTTCCTTC-3'
77	TLR4ic C831STOP	5'-GAAGGAACAGTGGGTACCGGATGAAATTGGCAGGAAGCAAC-3'
78	TLR4ic C831STOP	5'-GTTGCTTCCTGCCAATTTCATCCGGTACCCACTGTTCCTTC-3'
79	Cloning flag-TRAM	GCGGTAACCGCCGCCATGGATTACAAGGATGACGACGATAAGGGTATCGGGAAGTCTAAAATAAATTCC
80	Cloning flag-TRAM	GCCTCGAGTCAGGCAATAAATTGTCTTTGTACC