

Supplemental Table 1. Primers for amplification of the Ce-kettin cDNA

Product	Primer pair
Fr-1	GGTTTAATTACCCAAGTTTGAG (SL1) GCTGACCCGTTTGCAGTTTTTGCGG
Fr-2	GGAATCAAAGCAGCAAATGGTTC TGAGGTTTGTGGTATATCCAGTG
Fr-3	TACCGTCAAACCCTATCTCATGG GAGACAATACAAAACGATGGGCC
Fr-4	ATGGCTCGTCAATGGTCAGCCAC GCATCCACTGCCTCTAGCTTCTC
Fr-5	TGCTTCCTGGAAGCGTGTTCAAG TCAGCCGACTCCAGTTGAGTAAG
Fr-5' ^a	GAAATTGAAAACCGTGAGAAGCTAG GGAAGTTTGGTTTCTCCTTTTGAAC
Fr-6	AGAGCTTGAGGCTCCGAAGATCG TGGAGCATCTTCACGAGCTGGTC
Fr-7	AAGACGAATTGCCGAGATTGAAG GAGCATCTGGTTTTGGAGCAGCC
Fr-8	GATACTTTGGGATCTCTTGGCCC GTATATTGAGACGATATGGCGAC

^a Cloning of Fr-5 was not successful. Therefore, Fr-5' was amplified by the nested primers using Fr-5 as a template and used for cloning.

Supplemental Table 2. Tryptic fragments of the MH44 antigen

Peptide sequence	Residues in Ce-kettin
GKPISASNNVK	4196-4206
GDHFTVDREK	3789-3798
HADGYEISQSK	4081-4091
GDHFTVDR	3789-3796
NEDVAEYK	4103-4110
GAEEGPRYEAPR	4029-4040
LENSHAGEYTVR	3895-3906
TGIKGDHFTVDREK	3785-3798
AAADSPHFIK	4154-4164
NNEPVKHADGYEISQSK	4075-4091
TGIKGDHFTVDR	3785-3796
IKEIQKPEQPKEEPIVHK	3754-3772
NEDVAEYKVEASNPAGK	4103-4119
HADGYEISQSKGEAILR	4081-4097
NNEPVKHADGYEISQSKGEAILR	4075-4097
ETPAVVKPVIEETR	3802-3815
DLKETPAVVKPVIEETR	3799-3815
TLITTTPTNSSLHIGR	3879-3894
FTSQIQPIVVDEGK	4041-4054
VTPDSAGEYQIVIR	4221-4234
DGQPLPNDDRFRQVVEEGGAYK	3968-3988
FVIEFAGAAPVK	3852-3863
FSAEVDGNPEPTVQWQFK	4178-4195
GAQFSAQFSGFPDPTIR	4055-4071
LENAAGTVESLANLTVAPPTTQGK	3907-3930
FSNIISTDAGIYEIVAK	3991-4007
FVIEFAGAAPVKVTWLK	3852-3868