

Table S2. Information and primers of Nile tilapia genes used in present study

accession No.	Primer name	Forward (5'-3')	Reverse (5'-3')
KJ126772.1	β -actin	CGGAATCCACGAAACCACCTA	CCAGACGGAGTATTTACGCTCA
XM_003440445.4	MEK1	TGGGTCTGTCACTGGTTGAAATG	CACTGGGAAGCCGAAAATCTGT
XM_003438193.4	MEK2	TGGACCAGGTGATGAAAGAAGCA	CGTGAGTTTACCAGGATGTTTGAGG
XM_003444474.5	ERK2	GCACCTCTGACCACACCCAACT	TGCTCGTTTTTGGCCGACTTTC
XM_003453986.5	ERK1	CTGCTCTGGACAACCTGACA	CCCTGATGATGTCGTTGATG
XM_019361943	h-Ras	AAGCAGGTTGTGATAGACGGGGA	AGACTTGGTATTGTTGATGGCGAA
XM_003438987	c-Raf	TGAAAAGGTTGGTGGCTGACTG	CGGTTTATCTTAGGGAGGGCAT
N287402.1	IFN- γ	GGGTGGTGTTTTGGAGTCGT	GTAGCGAGCCTGAGTTGTTGGTG
XM_019360337.1	CD122	GGAGGTGTGTTTGGCAAGTT	ATGCCCTCATCCTGACTCAG
XM_003449297.5	CD3 ϵ	CTGGAGGACCAAAGTGACG	CACGCATTTCCCTCAACA
ENSONIT00000025699.1	CD8 α	CATAACAGCAAAGGAAGGACAG	TACCTTGGATAAGTGACGCA
ENSONIT00000016394	CD4-1	CCAAGGGAAACAGAGAAGGAAA	AAGGGATGGTGAGAGGTGAAAC
ENSONIT00000016389	CD4-2	GTGACAGAAACAGATGCTGGAAAC	CACAACTTTGGGGCTGACCTT
XM_003439678.4	Granzyme B	GAGCATTTTGTGGTACTGCTGC	CACGGTCTGCGAGAGGAATAGGT
XM_005464289.3	LT- α	GGTGCCAGAGATGGCTTGTA	TTGTGTGGATTGATGAGAGGAGAGT
KM008610.1	FasL	CTTGGTTGGCGTAGTGGTGCT	ATGCCTCTAAGAACAGAATGCGTC
XM_005458023.4	KLRG1	CAGAAGTGGTAACAGAGGAAAAGAC	TGTAGTCCATCTCCTGCCCATC
XM_003448658.4	T-bet	ACCTCGGTCACCCAATAAATC	CACCCACACCTCCCTCAAAT
XM_003440392.5	LDHA	AGGGCGAAAGCCGTCTCAATC	GAGGTTAGTGCCAGAGCCAATCA
XM_003448146.4	PFK	AAAGGAGGTTCAATGTTGGGCA	CGTTGTTGGATACGGTGGCA
XM_003448615.4	HK2	TGAGGGGCGGATGTGTGTAA	TGCTTGCCAGGGTTGAATGA
XM_003437654.5	PKM	CTTCCTCGCCCAGAAAATGA	GGATAGTCTCCCTTGGCAGTC
FJ914655.1	Glut1	TCAACAAGAACGAAGAGAACAAGG	GGCTCCAATGGTGGCATAAAT
XM_005448983.3	c-Myc	CTCGGTGGTTTTCCCGTATCC	CGTGTCCAGTCCCAAATCCTT