

List of primers used for validation of transcripts obtained by the Rna-seq analyses.			
Primer Name	Sequence	Parasitic species	Type of gene
EFB/F	CCATGGGATGATACGGGTGCA	AP and AS	Constitutive
EFB/R	ATGATACCGAACGCCACTGG	AP and AS	Constitutive
HA40SF	GTCGGTCGCTGTGATGGTTA	HA	Constitutive
HA40SR	ACATCGCCCCCTTCATATGCA	HA	Constitutive
CRS/F	CTCGATTGGGATGTGCCCTT	AS	PX_upregulated
CRS/R	TTACCCGGTTGCTCGTATCG	AS	PX_upregulated
SHKF	AGGTGGTCAATTGCATCGGT	AS	PX_upregulated
SHKR	TGCCGGTTAGTTCAGCACAT	AS	PX_upregulated
CRP/F	TGGGTCGCCAACTTCGTAAA	AP	PX_upregulated
CRP/R	TGGGATGTGCCCTTAACACA	AP	PX_upregulated
AST_apF	TCCCTTTGGCCATAATGCGT	AP	PX_upregulated
AST_apR	GTCGTTGAAAGGTGCGTCAC	AP	PX_upregulated
CAPF	CCAGGCATTTTGATCCCGGA	AP	PX_upregulated
CAPR	CGATACGAGCAACCGGGTAA	AP	PX_upregulated
HA1Hsp90F	GGTGGCAGTTTCAAACCGTC	HA	PX_upregulated
HA1Hsp90R	GGCCTTCATGATACGCTCCA	HA	PX_upregulated
HA2Hsp90F	GAAGGTGGCTGTTTCGAACC	HA	PX_upregulated
HA2Hsp90R	TCCATGTTTCGCTGACCATCC	HA	PX_upregulated

Boxplot of relative quantification of selected transcripts for Real-Time validation, with indication of standard errors. Y axis: mean of ratio of nanograms of PX enriched genes on ng of reference gene; W axis: bars of pharynx (PX), the carcass (CARC) and the whole larvae (WL). HA in green: *Hysterothylacium aduncum*; AS in blue: *Anisakis simplex* sensu stricto; AP in orange: *Anisakis pegreffii*.





