

Gene name	Gene ID		5' to 3'	Reference
<i>Vg</i>	GB13999	forward reverse	TTGACCAAGACAAGCGGAACT AAGGTTCTGAATTAACGATGAA	[1]
<i>mvl</i>	GB15139	forward forward	CCTTGGTATAAAGATTATGACAGGAATATG CAAGAGCACTGTGAAGATACAAGTTATG	[2]
<i>PPO</i>	GB18313	reverse forward	AGATGGCATGCATTTGTTGA CCACGCTCGTCTTCTTTAGG	[3]
<i>spz</i>	GB15688	forward reverse	TGCACAAATTGTTTTTCCTGA GTCGTCCATGAAATCGATCC	[3]
<i>Sod</i>	GB10133	forward forward	GTCGTTCCGTGTAGTCGAGAA TCCTTTGACTTCACCCTGAAGA	[4]
<i>Sod2</i>	GB14346	reverse forward	GGTGGTGGTCATTTGAATCATTC AAGAAGTGCAGCGTCTGGTTTAC	[4]
<i>Trxr-1</i>	GB14972	forward reverse	GCAGTGAATTTTGGTGCAAAAGT CACCTAGACCCCAAGTGCTACC	[4]
<i>PGRP-LC</i>	GB17188	forward forward	TCCGTCAGCCGTAGTTTTTC CGTTTGTGCAAATCGAACAT	[3]
<i>defensin1</i>	GB19392	reverse forward	TGCGCTGCTAACTGTCTCAG AATGGCACTTAACCGAAACG	[3]
<i>Imd</i>	GB18606	forward reverse	TGTTAACGACCGATGCAAAA CATCGCTCTTTTCGGATGTT	[3]
human β -actin		forward forward	GCTCGTCGTCGACAACGGCTC CAAACATGATCTGGGTCATCTTCTC	SuperScript III kit Invitrogen

1. Fischer P, Grozinger CM: **Pheromonal regulation of starvation resistance in honey bee workers (*Apis mellifera*)**. *Naturwissenschaften* 2008, **95**(8):723-729.
2. Ben-Shahar Y, Dudek NL, Robinson GE: **Phenotypic deconstruction reveals involvement of manganese transporter malvolio in honey bee division of labor**. *J Exp Biol* 2004, **207**(Pt 19):3281-3288.
3. Evans JD: **Beepath: an ordered quantitative-PCR array for exploring honey bee immunity and disease**. *J Invertebr Pathol* 2006, **93**(2):135-139.
4. Corona M, Hughes KA, Weaver DB, Robinson GE: **Gene expression patterns associated with queen honey bee longevity**. *Mech Ageing Dev* 2005, **126**(11):1230-1238.