

Gene sequence of reference genes in *D. rybakowi*

>OR797776 Actin, complete cds[Diorhabda rybakowi]

ATGTGTGACGACGATGTAGCGGCTTGTGCTTGACAATGGTTCCGGTATGTGCAAAGCTGGTTTTGCCGGA  
GATGACGCTCCACGTGCCGTCTCCCATCGATCGTGGTCGCCAAGACATCAGGGAGTCATGGTTGGTATG  
GGACAAAAAGACTCATACGTAGGAGATGAAGCTCAAAGCAAAGAGGTATCCTTACTTTGAAATACCCAATT  
GAACACGGTATCATCACCAACTGGGATGATATGGAAAAGATCTGGCATCACACTTTCTACAATGAACTCCGTG  
TCGCTCCAGAAGAACACCCAGTCCTTCTTACTGAAGCTCCACTTAACCCAAAAGCCAACAGAGAAAAGATG  
ACACAAATTATGTTTGAAACCTTCAACACCCAGCTATGTATGTAGCCATCCAAGCCGTACTTTCATTGTACGC  
TTCTGGTCGTACCACTGGTATTGTATTGGACTCTGGAGATGGTGTCACCACACCGTACCAATCTACGAAGGT  
TACGCTCTTCCCATGCTATCCTCCGTTTGGATTGGCTGGTCTGACTTGACTGACTACCTCATGAAAATCCT  
TACCGAAAGAGTTTACTCATTACCACTACAGCTGAAAGAGAAATTGTTCTGTGACATCAAAGAAAACTTTG  
CTATGTTGCCCTCGACTTCGAACAAGAAATGGCCACCGCTGCTGCTTCTACTTCCCTCGAAAAGAGCTACGA  
ATTGCCTGATGGACAAAGTCATCACCATTGGTAACGAAAGATTCCGTTGCTCCTGAAGCCCTCTTCAACCTTCC  
TTCTTGGGTATGGAATCTTGTGGTATTACGAAACCGTCTACAACCTCCATCATGAAGTGTGACGTAGATATCC  
GTAAGGACTTGACGCCAACACTGTTCTTCCGGAGGTACCACCATGTACCCAGGTATTGCTGACCGTATGCA  
AAAGGAAATCACCGCTCTTGCTCCATCTACCATCAAGATCAAGATCATCGCTCCCCAGAAAGGAAATACTCC  
GTATGGATCGGTGGATCTATCTGGCTTCCCTCTCCACTTCCAACAGATGTGGATCTCAAACAAGAATACG  
ACGAATCCGGCCCTGGAATTGTTACCGCAAGTGCTTCTAA

>Actin

MCDDDDVAALVVDNGSGMCKAGFAGDDAPRAVFPISIVGRPRHQVGMVGMGQKDSYVGDEAQSKRGILTLY  
PIEHGIITNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLNPKANREKMTQIMFETFNPAMYVAIQAVLSLY  
ASGRRTGIVLDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVAL  
DFEQEMATAAASSTLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCIHETVYNSIMKCDVDIRKDLANT  
VLSGGTTMYPGIADRMQKEITALAPSTIKIKIIPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPGIVHRK  
CF

>OR797777 GAPDH glyceraldehyde-3-phosphate dehydrogenase, complete cds [Diorhabda rybakowi]

ATGGTGAAAGTAGGAATAAACGGTTTTGGACGTATTGGTCGTTTGGTGCTTCGCGCTGCCCTTTCCAAAGGC  
GTAGAAGTAGTAGCCGTTAACGATCCGTTCTCGATGTGCGATTACATGGTCTACTTATTCAAATTCGATTCAAC  
CCACGGTCGTTACAAGGGATGCGTCAACAGCGATGGTAAAAATTTGGTAGTTGATGGTAAACCGATTGCTGT  
ATACCAAGAAAAAGATCCCGCCCAAATTCATGGGGTAAACACGGTGCCGACTATGTAGTAGAATCTACCGG  
TGTTTTACCACAGTCGAAAAGGCAAAGAAACATCTGGACGGTGCGCTAAGAAAGTTATCATCTCAGCTC  
CATCTGCTGACGCTCCTATGTACGTTTGCGGCGTCAATCTCGATTCTTACAACCCAGCTGATCCCGTCATTTCC  
AACGCTTCTGTACCACGAACTGCTTGGCTCCATTGGCTAAAGTCATTTCATGATAATTCGAAATTGTGGAAG  
GTTTGATGACAACGGTACATGCCACTACTGCCACGCAGAAGACCGTCGACGGTCCGTCCGGTAAATTGTGG  
CGAGACGGTCGTGGTGCCGGACAAAACATCATTCCAGCCTCTACTGGAGCTGCCAAGGCAGTCGGCAAAG  
TTATCCCAAGTCTTAATGGTAAGTTGACAGGTATGGCGTTCCGCGTACCAGTCCCTAACGTTTCAGTCGTCGA  
TTTGACCGTACGTTTGGGCAAATCAGCGACTTACGACGAAATCAAAGCTAAAGTTAAGGAAGCCGCCGAAG  
GTCCCCTAAAGGGCATCTTGGGTACACCGACGAAGAAGTCGTTTCCAACGATTTCATCGGCGATACTCACT  
CATCAGTATTCGATGCCAAAGCCGGTATCCAACCTCAACGATAAATTCGTTAAACTCATCTCTTGGTACGATAAC  
GAATTCGGTTATTCTTCAAGGGTTATCGATTGATCTTATTCATCTCTAATAAAGCTTAA

>GAPDH

MVKVGINGFGRIGRLVLRAALSKGVEVVAVNDPFLDVDYMVYLFKFDSTHGRYKGCVNSDGKNLVVDGKPIAV  
YQEKDPAQIPWGKHGADYVVVESTGVFTTVEKAKKHLDDGGAKKVIISAPSADAPMYVCGVNLDSYNPADPVISN

ASCTTNCLAPLAKVIHDNFEIVEGLMTTVHATTATQKTVDGPSGKLWRDGRGAGQNIIPASTGAAKAVGKVIP  
LNGKLTGMAFRVPVNPVSVVDLTVRLGKSATYDEIKAKVKEAAEGLKILGYTDEEVVSNDFIGDTHSSVFDAK  
AGIQLNDKFVKLISWYDNEFGYSSRVIDLILFISNKA

>OR797778 EF1a elongation factor1 alpha, complete cds[Diorhabda rybakowi]

ATGGGGAAAGAAAAGATTCATATTAACATCGTCGTCATTGGTCACGTAGATTCTGGTAAATCTACCACCACTG  
GACATTTGATTACAAATGCGGTGGTATCGACAAACGTACTATCGAAAAATTCGAAAAAGAAGCCCAAGAAA  
TGGGAAAAGGTTCCCTTCAAGTATGCATGGGTACTCGATAAACTTAAGGCTGAACGTGAACGTGGTATCACTA  
TTGATATTGCTTTGTGGAAATTGAAACATCTAAGTACTATGTAACCATCATTGATGCTCCAGGGCACAGAGAT  
TTCATTAACCAATGATTACTGGAACCTCACAAGCTGATTGTGCAGTACTATTGTAGCTGCAGGTACTGGTG  
AATTCGAAGCTGGTATTTCCAAGAACGGACAAACACGTGAACATGCACTTCTTGCATTACCCTTGGAGTGAA  
AACAACTTATTGTTGGTGTCAACAAAATGGACTCTACTGAACCACCATACAGTGAATCACGTTTTGAAGAAAT  
CAAAAAAGAAGTTTCTCTTATATTAAGAAGATTGGTTACAACCCTGCTGCTGTAGCCTTTGTACCAATTTCA  
GGATGGCACGGAGATAATATGTTAGAACAATCCGACAAAATGCCATGGTTCAAGGGATGGAATATTGAACGT  
AAAGAAGGAAAGGCTGATGGTAAATGTTTGATTGATGCTTTAGATGCCATCCTCCCTCAAGTCGTCCAACA  
GAAAAACCTCTTCGTCTTCCACTCCAGGATGTCTACAAAATTGGAGGTATTGGAACAGTACCCGTTGGTTCGT  
GTTGAAACTGGTGTGTTTGAACCAAGGTATGGTGGTAGTTTTTGCCCCAGCAAACCTTGACCACTGAAGTAAAA  
TCTGTTGAAATGCACCACGAAGCCCTTCAAGAAGCTGTACCTGGAGACAACGTTGGTTTTAACGTTAAGAA  
CGTCTCTGTCAAAGAATTACGTCGTGGTTATGTAGCTGGAGACACCAAGAACAATCCACCAAAGGAGCATC  
AGACTTTACCGCTCAAGTTATTGTACTGAACCATCCCGGTCAAATCTCCAACGGTTACACTCCTGTCTCGATT  
GTCACACTGCCACATTGCCTGTAAATTAATGAAATCAAAGAAAAAGTCGACCGTCGTTCTGGAAAGACAA  
CTGAAGAAAACCCCAAGCCATCAAATCTGGTGATGCTGCCATTGTCAACTTAGTTCCAAGCAAACCAATGT  
GTGTAGAATCATTCCAAGAATTCCACCTCTGGACGTTTCGCTGTTTCGTGACATGAGGCAAACAGTCGCCG  
TAGGAGTCATCAAGAGTGTAAGCTTCAAAGACCCCGGTGCAGGAAAAGTTACAAAAGCAGCAGAAAAAGC  
ACAAAAGAAGAAATAA

>EF1a

MGKEKIHINIVVIGHVDSGKSTTTGHLYKCGGIDKRTIEKFEKEAQEMGKGSFKYAWVLDKLKAERERGITIDIAL  
WKFETSKYVYTIIDAPGHRDFIKNMITGTSQADCAVLIVAAGTGEFEAGISKNGQTREHALLAFTLGVKQLIVGV  
NKMDSTEPPEYSESRFEEIKKEVSSYIKKIGYNPAAVAFVPISGWHGDNMLEQSDKMPWFKGWNIERKEGKADG  
KCLIDALDAILPPSRPTEKPLRLPLQDVYKIGGIGTVPVGRVETGVLPKPMVVVFAPANLTTEVKSVMHHEALQ  
EAVPGDNVGFNVKNSVKELRRGYVAGDTKNNPPKGASDFTAQVIVLNHPGQISNGYTPVLDCHTAHIACKFN  
EIKEKVDRRSGKTTEENPKAIKSGDAAIVNLVPSKPMCVESFQEFPLGRFAVRDMRQTVAVGVKSVSFKDPGA  
GKVTKAAEKAQKKK

>OR797779 Tub beta1-tubulin, complete cds[Diorhabda rybakowi]

ATGAGGGAAATTGTTTCATATCCAAGCCGGTCAATGCGGTAACCAAATTGGAGCCAAATCTGGGAAATCATC  
TCCGATGAACATGGTATCGACCCCACTGGAGCCTACCACGGAGACTCCGACCTCCAACCTCGAAAGAATCAAC  
GTTTATTACAATGAAGCGTCTGGAGGAAAATACGTACCAAGGGCAATCCTCGTCGATTGGAACCCGGTACC  
ATGGATTTCGGTACGATCCGGTCCTTTCGGTCAAATATTCCGACCAGATAATTTTCGTATTGGTCAATCAGGTGC  
AGGTAACAACTGGGCAAAAGGACATTACACAGAAGGTGCTGAATTAGTCGATTAGTATTGGATGTTGTCA  
GAAAAGAAGCCGAATCGTGTGATTGTTTACAAGGATTCCAACCTACACATTCTCTGGAGGTGGTACCGGAT  
CAGGTATGGGTACCCTCCTTATTTCAAAATTCGTGAAGAATATCCCGACAGGATAATGAACACATATTAGTA  
GTCCCCTACCAAAAAGTATCAGACACTGTAGTAGAACCTTACAATGCGACACTTCCGTTTCATCAATTAGTAG  
AAAACACAGACGAACTTATTGTATAGACAATGAAGCTCTCTACGATATTGCTTCAGGACTTTGAAACTCAC  
GACACCAACATACGGTGACTTGAATCATTTAGTATCACTCACAATGTCAGGAGTAACTACCTGTCTTAGATTCC  
CTGGTCAATTGAATGCAGATCTTAGGAAATTAGCCGTAAATATGGTACCATTCCACGTCTCCACTTCTTCATG

CCCGGTTTCGCTCCTCTTACATCCAGAGGTAGCCAACAATACAGGGCTTTGACGGTTCAGAACTCACTCAA  
CAAATGTTTGATGCCAAGAACATGATGGCCGCTTGCGATCCCAGACACGGAAGGTATCTTACCGTAGCCGCC  
GTATTCAGAGGTAGGATGTCGATGAAAGAAGTCGACGAACAGATGCTCAACATTCAAAACAAGAACAGCAG  
CTACTTCGTCGAATGGATTCCGAACAACGTTAAGACTGCCGTTTGTGACATTCTCTAGAGGTCTTAAGATG  
TCTGCCACTTTCATCGGTAACCTCACCGCCATTCAAGAATTGTTCAAACGTATCTCAGAACAGTTCACCGCTAT  
GTTCAGGAGGAAAAGCTTTCTTGCAATTGGTACACCGGAGAAGGTATGGATGAAATGGAATCACTGAAGCTG  
AATCTAACATGAACGATTGTTGATCTGAATACCAACAATACCAAGAAGCCACCGCAGACGAAGACGCTGAAT  
TCGATGAAGACCAAGAAGCCGAAGTTGATGAAAAC

>Tub

MREIVHIQAGQCGNQIGAKFWEIISDEHGIDPTGAYHGDSDLQLERINVYYNEASGGKYVPRAILVDLEPGTMD  
SVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKEAESCDLQGFQLTHSLGGGTGSG  
MGTLISKIREEYPDRIMNTYSVVPSPKVS DTVVEPYNATLSVHQLVENTDETICIDNEALYDICFRTLKLTPTYG  
DLNHLVSLTMSGVTTCLRFPQQLNADLRKLAVNMVFPRLHFFMPGFAPLTSRGSQQYRALTVPELTQQMFDA  
KNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNIQNKNSYFVEWIPNNVKTAVCDIPRGLKMSAT  
FIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQEATADEDAEFDED  
QEA EVDEN

>OR797780 RPL13a ribosomal protein L13a, complete cds[Diorhabda rybakowi]

ATGACGGGTTTTAGTGAAAAATCCATCCTTATCGATGGCAGAGGCCACTTATGGGACGATTAGCTGCAATC  
GTTTCAAAAACCTTATTACAAGGTAACAAAGTGGTAGTAGTACGATGTGAACAATTGAACATCTCTGGAAC  
TTTTACAGAAATAAGTTGAAGTTTATGTCTTTCCTTCGTAAAAGATGTAACGTTAATCCAGCTCGTGGTCCGTT  
CCATTTTAGAGCTCCCTCCAGAATCTTCTGGAAGACAGTTAGAGGAATGTTGCCACACAAAACCTGAAAGAG  
GAAAGCAAGCTCTTCGTAGATTAAAGGCATACGAAGGAATACCTCCTCATATGATCGTAGGAAACGTGTTG  
TTGTACCTGGAGCTCTTAGAGTGATTGTCTTAAACCTGGACGTAAATTCTGTACGTTGGCCGTCTGTCA  
TGAAGTCGGATGGAAGTATCAATCAGTCGTAAGGACATTAGAAAACAAACGTAAAGTTAAGGCCGTCTTGA  
CTATTCGTAAACGTGACAAACTCAAGAACTCACTAAAAAAGCTTCAGAAAAGGTTATCAACAAACGAAA  
CCTTTCACAGAACTCATCAATTCATACGGTTATAAT

>RPL13a

MTGFSEKSILIDGRHLLGRLAIVSKTLLQGNKVVVRCEQLNISGNFYRNKLKFMFLRKRCNVNPARGPFHF  
RAPSRIFWKTVRGMPLPHKTERGKQALRRLKAYEGIPPPYDRRKRVVVPALRVICLKPGRKFCVHGRLSHEVG  
WKYQSVVRTLENKRKVKAVLTIRKRDKLKLTKKASEKVIKQTKPFTELINSYGYN

>OR797781 RPS18 ribosomal protein S18, complete cds[Diorhabda rybakowi]

ATGTCTTTGGTAATACCAGAGAAGTTCCAACACATTCTTCGTATCCTTGGTACGAATATCGATGGTAAAAGAA  
AAGTACAATTCGCCCTTACAGCTATTAAGGGAGTTGGTAGACGTTACGCTAATATTGTCCTTAAAAAAGCCGA  
TGTAACCTTGACAAACGTGCGGGAGAATGTTCCGACGAAGAAGTTGAAAAAATCATAACATCATGTCTAA  
TCCTCGCCAGTACAAAATCCCCGACTGGTTTTTGAACAGACAGAAAGATATTATTGACGGTAAATACAGCCA  
GGTAAGTCCTTCTAATCTTTAAGAAAAAAGTTCATCATCTTTAAATTGGGCTGATTCATAA

>RPS18

MSLVIPEKFQHILRILGTNIDGKRKVQFALTAIKGVGRRYANIVLKKADVNLDKRAGECSDEEVEKIITIMSNPRQY  
KIPDWFLNRQKDIIDGKYSQVSPSNSLRKSSSSLNWADS

>OR797782 RPL19 ribosomal protein L19, complete cds[Diorhabda rybakowi]

ATGAGTTCGTAAAACTTCAAAGAGGCTAGCAGCCTCTGTTATGCGATGTGGAAGAAAAAAGTTTGGTT  
AGATCCCAATGAAATAAACGAAATTGCAACACCAACTCAAGACAGAACATTTCGCAAATTGATTAAGGACG  
GTCTTATCATTAATAAACCGGTAGCAGTACATTCTCGTGCTAGAGTACGTAAGAACTGAAGCTCGCAGGA  
AAGGAAGGCATTGTGGATTGGTAAAAGGAAAGGTACAGCCAATGCTCGTACTCTCAAAGGAATTATGG

ATACAACGTATGAGAGTCTTACGTCGTTTATTGAAAAAGTACCGTGAAGCTAAGAAAATTGACAGACATCTTT  
ACCATTCACTTTACATGAAAGCCAAGGGTAACGTATTCAAGAATAAGCGTGTCTTATGGAATACATTCATAA  
AAAGAAGGCAGAGAAAGCACGTGCCAAGATGTTGGCAGACCAGGCTAATGCCAGAAGATTGAAGGTGAA  
ACAAGCTAGGGAAAGACGCGAAGAACGTATAGCTACTAAAAAGCAGGAGGTATTGCAAAATTACCAGAGA  
GAAGATGAAGCTGCTGCTGCTAAGAAATAA

>RPL19

MSSLKLQKRLAASVMRCGRKKVWLDPNINEIANTNSRQNIKKLIKDGLIKKPVAVHSRVRKNTARRKGR  
HCGFGKRKGTANARTPQKELWIQRMVLRLLKKYREAKKIDRHLYHSLYMKAKGNVFNKRVLMMEYIHKKKA  
EKARAKMLADQANARRLKVKQARERREERIATKKQEVNQNYQREDEAAAAKK

>OR797783 SYN6 Syntaxin-6, complete cds[Diorhabda rybakowi]

ATGAAAGAAAGAATCAATATGAATCGGAGTAGGGATAAAGATCGTACTGCGAGGCAGCCTTTGCTGGATAAT  
AGTCCCGTTAGAGTTACAAATTCACATGCAACAACAAAATATTTTAAATTGGAGAATGATCTAGATAGTCCTC  
AACGACAATTTTGAGTGATACTCTTAACCAACAACAATATTTAACAAGACAACAAGAAGAACATTTGGAGG  
CTATTAGTGATTCTTTAGGTTCTTTGAAAACAGTTTCTAGACACATTGGAGTTGAATTGGACGAACAAGCTG  
GAATGCTGGATGAATTTGGGACCGAATTAGAAAATACTGATTCCAAATTGGATTCCACAATGAAAAAGGTTG  
CCAAAGTACTACGACTTTCTAATGATCGGAGGCAGTGGACCGTTATAATAATTTTAGTTGTAATCTTGTGATT  
GTGATATTTTATTTTATACTGTGA

>SYN6

MKERINMNRSRDKDRTARQPLDNSPVRVTNSHATTKYFKLENDLSDPQRQFLSDTLNQYQLTRQQEEHLE  
AISDSLGLSKTVSRHIGVELDEQAGMLDEFGTELENTDSKLDSTMKKVAKVLRLSNDRRQWTVIIILVVILVIVFLF  
FIL

>OR797784 GST glutathioneS-transferase1, complete cds[Diorhabda rybakowi]

ATGGGACCGACTTTATATCATTTCCACCGAGTGGACCCTCTAGAGGAGCCTATCTAGCTGCAAAAGCTGTAG  
GAGTTAATGTTGATTTGCAGATCGTAGATTATTCAAAAAGGAACAGTACAGTGAAGAATTTATCAAGATTAA  
CCCTCAACATACTGTGCCTACGTTAGTTGATGGAGACTTTACTATTTGGGATGGTCATGCTATAGCGGGATATT  
TAGCAACAGTTTATGCAAAGGATGAAAATTTGTATCCGAAAGATCCACAACGTAAAGCTCTTGATAGTCAAA  
GGCTTTATTTGATTGTGGTACTCTATATCCACGTATTAGGCAAATTTGTTATCCGATTTTATATATGGGAGAAG  
ACCAAATCTATGATGAATATAAATTGCCTTTGGAAGAAGCTTTGGGATTCTTAGATGTTTTCTAGAAGGAAA  
TGATTTGTAACAGGCAAATATCTAACAATTGCCGATTGTTTCATTAGTGGCATCAGTTTCAAGCATAGTGGCT  
GTAGGTTGGGATATAAATGCATATTCTAATGTTGTTAATTGGATATCAAGATGTGCTTTGGCAATACCAGACTA  
TGAGGAGGTTAATCAAAAAGGAGCAAATATGTATGGTAAAGCAGTCAGAAGTAACTTGCTCCGGGACAAC  
TCTAG

>GST

MGPTLYHFPPSGPSRGAYLAAKAVGVNVDLQIVDLFKKEQYSEEFIKINPQHTVPTLVDGDFTIWDGHAIAGYLA  
TVYAKDENLYPKDPQRKALVDQRLYFDCGTLPRIRQICYPILYMGEDQIYDEYKLPLEEALGFLDVFLEGNDFT  
GKYLTADCSLVASVSSIVAVGWDINAYSNVVNWISRCALIPDYEEVNQKGANMYGKAVRSKLAPGQL

>OR797785 RPS15 ribosomal protein S15, complete cds[Diorhabda rybakowi]

ATGGCCGACAAAGTCGAAGAGCAAGTTAAAAAGAAGAGAACTTTCAAAAAATTCACCTCCGTGGTGTAGA  
TTTGGACCAGTTATTGGACATGCCAAACGAACAATTAATGGAATTGATGCATTGTCGTGCTAGAAGGCGTTTT  
ACTAGAGGCTTAAACGCAAACCAATGGCTTTGGTTAAAAAATTGCGTAAAGCCAAGAAAGAAGCTCCTCC  
ACTAGAAAAGCCAGAAATTGTTAAAACTCATTTACGTAACATGATCATCGTTCCAGAAATGGTTGGTTCTATT  
GTAGGTGTTTACAATGGCAAAGCCTTCACACAGGTTGAAATCAAACCTGAAATGATTGGACATTATCTTGGT  
GAATTCTCTTTAACATACAAGCCTGTAAACACGGTAGGCCAGGTATTGGTGCTACCCACAGTTCTAGATTTA  
TTCCTCTCAAAATAA

>[RPS15](#)

MADKVEEQVKKKRTFKKFTFRGVLDQLDMPNEQLMELMHCRARRRFTRLKRPKPMALVKKLRKAKKEAP  
PLEKPEIVKTHLRNMIIVPEMVGSIVGVYNGKAFTQVEIKPEMIGHYLGEFSLTYKPVKHGRPGIGATHSSRFIPLK

The Ct values for candidate reference gene of <i>D. rybakowi</i> under tissue conditions												
Sex	Group		<i>RPS18</i>	<i>PRL13a</i>	<i>RPL19</i>	<i>ACT</i>	<i>SYN6</i>	<i>TUB</i>	<i>GADPH</i>	<i>RPS15</i>	<i>EF1a</i>	<i>GST</i>
Male	CT1	He	24.36	23.69	24.93	20.66	31.51	25.83	26.80	26.04	25.62	28.58
			24.54	23.63	25.19	21.32	33.31	26.64	25.77	26.58	26.77	27.72
	CT2		21.34	20.37	21.79	23.29	29.87	25.99	25.59	21.96	21.47	21.66
			21.28	19.72	21.44	23.69	31.16	27.02	21.50	22.02	22.95	23.30
	CT3		20.01	19.38	20.62	16.53	22.53	19.73	21.61	22.07	17.75	24.63
			20.01	19.00	19.62	13.39	23.92	19.54	20.87	21.70	18.31	26.03
	CT1	Th	24.73	25.91	26.68	25.54	31.84	28.09	25.99	25.58	26.20	27.80
			25.67	24.18	26.39	22.81	32.63	26.53	26.47	26.03	27.51	28.69
	CT2		21.87	19.91	23.99	27.25	35.18	28.78	24.58	22.82	28.15	23.33
			23.47	20.77	24.05	27.80	34.08	25.28	26.43	22.79	27.85	25.18
	CT3		20.21	17.42	18.78	23.18	26.47	21.34	22.74	21.03	22.82	22.99
			19.89	18.14	18.50	23.36	26.76	22.61	22.91	21.40	23.00	23.08
	CT1	Ab	23.40	23.77	25.16	23.88	33.89	25.02	26.37	25.06	25.93	27.86
			24.26	23.76	24.71	24.07	33.40	26.96	27.57	25.25	26.65	28.35
	CT2		24.94	21.29	24.18	28.07	32.48	29.23	28.61	23.15	26.41	23.66
			22.73	21.39	24.50	27.15	32.25	29.96	28.44	23.20	28.04	24.60
	CT3		22.22	21.35	21.66	23.29	29.88	25.65	27.81	23.03	27.33	23.90
			23.12	21.09	22.53	22.81	30.69	27.46	26.73	23.24	28.11	24.71
	CT1	Le	25.49	25.77	27.02	22.96	33.86	27.65	26.95	27.62	26.49	30.31
			26.43	25.03	27.74	22.73	33.04	28.35	27.29	27.54	27.81	30.58
	CT2		21.91	21.14	22.71	21.61	31.63	28.12	25.99	24.73	23.49	25.20
			22.10	20.86	22.94	22.10	33.40	27.28	24.71	23.79	25.17	24.19
	CT3		20.98	20.03	21.92	18.30	26.98	21.68	22.44	22.49	21.79	25.17
			21.23	19.70	22.26	18.13	27.03	21.81	23.40	23.04	22.36	25.58
	CT1	Wi	23.88	23.03	24.65	26.21	32.74	24.82	26.73	25.20	23.90	27.97
			23.06	22.54	23.71	25.71	32.02	24.75	26.66	25.68	24.12	27.61
	CT2		20.91	18.80	19.40	23.96	28.19	22.60	23.66	20.92	20.48	22.66
			20.82	18.12	19.26	23.67	28.24	23.00	23.52	20.84	21.72	22.97
	CT3		21.74	21.87	23.17	24.08	29.16	23.29	26.33	23.13	21.45	27.12
			22.40	22.39	24.00	23.60	28.54	23.53	27.61	22.93	22.10	28.24
Female	CT1	He	21.87	20.58	20.80	22.77	30.61	25.07	24.47	22.89	24.61	25.85
			22.19	20.56	19.99	21.38	30.94	25.20	24.32	23.16	24.86	25.93
	CT2		23.25	21.26	21.83	25.22	31.03	28.46	26.45	25.11	28.46	23.86
			22.86	21.22	22.23	24.93	31.54	27.38	26.25	24.59	28.05	24.41
	CT3		22.38	21.19	21.47	24.17	31.72	25.30	25.64	23.30	25.47	25.30
			22.02	21.02	21.63	24.04	30.17	25.52	25.65	23.80	25.12	25.71
	CT1	Th	20.53	20.02	20.90	23.39	30.69	26.42	26.09	22.58	26.35	24.76
			20.65	19.86	20.69	23.04	30.52	26.83	25.86	22.85	27.25	23.11
	CT2		21.84	20.03	21.31	23.80	29.95	26.65	25.43	23.28	27.21	21.87
			22.10	20.14	20.58	23.91	29.89	26.47	26.91	21.40	27.40	22.76
	CT3		23.54	22.43	21.58	24.26	31.94	28.52	26.40	23.74	28.24	25.14
			22.72	21.94	21.43	24.34	33.12	28.37	25.52	24.46	28.33	25.66
	CT1	Ab	22.11	21.57	22.36	26.56	31.58	27.01	26.31	23.79	28.04	24.66
			22.75	20.53	22.67	26.32	31.79	27.31	27.28	24.32	28.35	24.94
	CT2		21.46	18.62	20.65	29.07	27.92	25.55	28.45	23.99	25.00	22.13
			21.13	19.15	21.07	28.72	29.44	25.59	28.09	23.53	25.25	22.31
	CT3		21.70	19.86	22.16	26.46	29.88	24.74	28.48	22.15	22.85	24.07
			21.37	20.63	22.23	26.77	30.38	24.47	28.55	22.37	22.85	23.93
	CT1	Le	21.24	20.64	21.86	20.50	31.77	27.46	27.08	22.64	24.00	24.16
			21.59	21.19	21.88	20.47	35.17	27.27	26.59	28.00	23.65	24.36
	CT2		19.66	20.39	21.24	16.96	26.34	21.54	22.22	21.90	21.95	21.99
			19.12	19.83	20.40	16.79	26.83	21.11	22.17	20.61	22.49	21.84
	CT3		21.95	19.26	20.53	15.61	26.18	20.52	23.26	22.09	18.25	24.52
			19.69	19.75	19.89	15.45	26.21	20.15	20.71	21.62	19.11	25.17
	CT1	Wi	21.63	21.01	22.17	27.23	31.21	25.81	26.09	23.10	21.79	25.82
			22.18	21.07	22.39	27.27	31.95	26.07	26.46	23.83	23.42	26.10
	CT2		18.78	18.83	20.97	23.23	27.49	22.05	25.24	20.14	18.61	25.38
			20.67	19.56	21.64	23.49	27.57	21.46	25.16	20.81	19.87	24.84
	CT3		19.33	20.10	19.86	22.81	26.04	20.57	22.07	21.63	16.92	25.62
			20.15	18.26	20.17	22.88	25.38	19.77	26.27	21.50	18.61	25.47

The Ct values for candidate reference gene of <i>D. rybakowi</i> under sex conditions												
Sex	Group		<i>RPS18</i>	<i>PRL13a</i>	<i>RPL19</i>	<i>ACT</i>	<i>SYN6</i>	<i>TUB</i>	<i>GADPH</i>	<i>RPS15</i>	<i>EF1a</i>	<i>GST</i>
Male	CT1	AD	24.59	24.26	26.18	23.92	34.82	26.52	26.26	26.24	26.15	24.36
			24.52	25.29	26.05	24.28	34.02	26.45	26.74	26.03	25.43	28.01
	CT2		21.65	20.62	22.49	23.62	32.22	26.82	25.46	22.68	24.89	23.33
			21.41	20.99	21.65	23.15	31.57	26.78	26.85	22.82	24.00	24.54
	CT3		19.16	18.18	19.18	16.73	24.39	17.58	19.73	19.92	17.36	24.31
			18.62	18.37	18.78	16.75	24.36	19.27	20.82	20.33	17.47	24.69
Female	CT1	AD	22.41	20.39	22.09	23.87	32.29	26.67	26.66	24.41	27.00	24.29
			22.80	20.28	21.78	23.41	32.61	26.27	24.82	21.72	27.08	23.72
	CT2		20.40	17.37	20.18	18.70	26.82	18.96	20.96	20.53	17.90	25.84
			20.78	18.03	20.90	18.48	24.02	19.05	23.63	20.32	15.61	23.35
	CT3		16.43	16.82	18.19	17.80	22.68	17.81	22.84	20.68	17.65	21.64
			17.50	16.72	17.77	18.06	22.13	17.26	23.82	20.93	17.19	22.09