

Identified Proteins	Location	Length	Accession Number	Molecular Weight	Spectra count	Isolate
14-3-3 protein	TGVEG_chrVIIb:818668-821299(+)	323	TGVEG_263090	37 kDa	13	NR-20731
14-3-3 protein	TGME49_chrVIIb:813151-815788(+)	323	TGME49_263090	37 kDa	8	NR-362
2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase domain-containing protein	TGME49_chrVIIb:4733441-4735950(-)	529	TGME49_255690	57 kDa	2	NR-362
2-oxo acid dehydrogenases acyltransferase (catalytic domain) domain-containing protein	TGVEG_chrIV:659424-665835(-)	669	TGVEG_319920	70 kDa	3	NR-20731
2-oxoglutarate/malate translocase OMT (OMT)	TGME49_chrVIII:3047633-3050247(+)	323	TGME49_274060	35 kDa	2	NR-362
3'5'-cyclic nucleotide phosphodiesterase domain-containing protein	TGVEG_chrVIII:2366782-2384313(-)	1731	TGVEG_233040	195 kDa	1	NR-20734
3'5'-cyclic nucleotide phosphodiesterase domain-containing protein	TGME49_chrla:73769-88830(+)	2238	TGME49_293000	244 kDa	1	NR-225
3'5'-cyclic nucleotide phosphodiesterase domain-containing protein	TGME49_chrVIII:2358180-2375740(-)	1731	TGME49_233040	195 kDa	1	NR-362
5-formyltetrahydrofolate cyclo-ligase	TGME49_chrlb:591301-594355(+)	473	TGME49_208090	52 kDa	1	NR-225
AAA domain protein	TGVEG_chrVIIb:1596717-1605661(-)	1487	TGVEG_261680	158 kDa	1	NR-20730
ABC1 family protein	TGVEG_chrXII:2843851-2849844(+)	1900	TGVEG_246600	205 kDa	1	NR-20731
acetyl-CoA carboxylase ACC1	TGVEG_chrII:237844-253913(-)	2612	TGVEG_221320	288 kDa	2	NR-20734
acetyl-coA carboxylase ACC2	TGVEG_chrXII:1400421-1429456(-)	3400	TGVEG_218560	365 kDa	2	NR-223
acetyltransferase, GNAT family protein	TGME49_chrIX:5391801-5394363(-)	519	TGME49_305450	57 kDa	1	NR-362
acid phosphatase GAP50	TGVEG_chrXII:941844-944726(-)	431	TGVEG_219320	47 kDa	14	NR-20731
acid phosphatase GAP50 (GAP50)	TGME49_chrXII:969240-972134(-)	431	TGME49_219320	47 kDa	9	NR-362
aconitate hydratase ACN/IRP	TGVEG_chrX:1293904-1301076(-)	1055	TGVEG_226730	115 kDa	4	NR-20731
actin ACT1	TGVEG_chrlb:997526-999088(+)	376	TGVEG_209030	42 kDa	15	NR-20731
actin ACT1 (ACT1)	TGME49_chrlb:998462-1000024(+)	376	TGME49_209030	42 kDa	9	NR-362
acyl carrier protein ACP	TGVEG_chrVIIb:207502-208980(-)	183	TGVEG_264080	19 kDa	1	NR-223
ADA2-A transcriptional co-activator SAGA component	TGME49_chrXI:5701538-5709722(+)	1203	TGME49_217050	126 kDa	1	NR-225
adenine nucleotide translocator, putative	TGME49_chrXII:4937491-4938447(+)	318	TGME49_249900	35 kDa	3	NR-362
adenylate kinase, putative	TGME49_chrX:2700827-2703461(+)	257	TGME49_224900	29 kDa	3	NR-225
ADP ribosylation factor ARF1 (ARF1)	TGME49_chrIII:119823-123343(-)	554	TGME49_276140	62 kDa	2	NR-362
AGC kinase	TGME49_chrX:1854657-1856914(+)	343	TGME49_226030	39 kDa	2	NR-362

alba 2	TGVEG_chrXII:1251911-1253712(+)	148	TGVEG_218820	15 kDa	1	NR-223
ALG6, ALG8 glycosyltransferase family protein	TGVEG_chrVIIb:1429375-1436663(-)	1585	TGVEG_262030	175 kDa	1	NR-20730
alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen, putative	TGME49_chrXII:2205011-2205601(-)	196	TGME49_217890	22 kDa	2	NR-362
alpha tubulin TUBA1	TGVEG_chrXI:5296478-5298499(+)	453	TGVEG_316400	50 kDa	11	NR-20731
alpha tubulin TUBA1 (TUBA1)	TGME49_chrXI:5274572-5276593(+)	453	TGME49_316400	50 kDa	7	NR-362
Alpha-galactosidase	TGVEG_chrIII:2012031-2019748(+)	747	TGVEG_254880	82 kDa	1	NR-20731
alveolin domain containing intermediate filament IMC1	TGVEG_chrVIII:1522790-1525565(+)	609	TGVEG_231640	70 kDa	10	NR-20731
alveolin domain containing intermediate filament IMC1 (ALV1)	TGME49_chrVIII:1516857-1519632(+)	609	TGME49_231640	70 kDa	7	NR-362
alveolin domain containing intermediate filament IMC10	TGVEG_chrVIII:692086-694992(+)	560	TGVEG_230210	61 kDa	5	NR-223
alveolin domain containing intermediate filament IMC10 (ALV12)	TGME49_chrVIII:685641-688988(+)	560	TGME49_230210	61 kDa	3	NR-362
alveolin domain containing intermediate filament IMC3	TGVEG_chrXI:6470480-6472096(+)	538	TGVEG_216000	58 kDa	2	NR-44106
alveolin domain containing intermediate filament IMC3 (ALV3)	TGME49_chrXI:6475497-6477113(+)	538	TGME49_216000	58 kDa	5	NR-362
alveolin domain containing intermediate filament IMC4	TGVEG_chrVIII:1519116-1521276(-)	452	TGVEG_231630	50 kDa	14	NR-20731
alveolin domain containing intermediate filament IMC4 (ALV4)	TGME49_chrVIII:1513141-1515301(-)	452	TGME49_231630	50 kDa	7	NR-362
alveolin domain containing intermediate filament IMC7	TGVEG_chrII:970042-973531(+)	429	TGVEG_222220	47 kDa	4	NR-20731
alveolin domain containing intermediate filament IMC7 (IMC7)	TGME49_chrII:966861-970350(+)	429	TGME49_222220	47 kDa	4	NR-225
amine-terminal region of chorein, A TM vesicle-mediated sorter	TGVEG_chrIX:5763139-5793311(+)	8847	TGVEG_306020	953 kDa	4	NR-20731
amine-terminal region of chorein, A TM vesicle-mediated sorter	TGVEG_chrVIII:1815566-1850365(-)	10329	TGVEG_232080	1101 kDa	2	NR-44106
amine-terminal region of chorein, A TM vesicle-mediated sorter	TGVEG_chrX:1966028-2004434(+)	12207	TGVEG_225745	1320 kDa	1	NR-44106
amine-terminal region of chorein, A TM vesicle-mediated sorter	TGVEG_chrXI:3542605-3588791(-)	13455	TGVEG_313630	1452 kDa	2	NR-44106

aminopeptidase n, putative	TGME49_chrX:3053388-3061374(+)	970	TGME49_224460	109 kDa	5	NR-225
AMP-binding enzyme domain-containing protein	TGVEG_chrXI:1054466-1058151(-)	789	TGVEG_310080	88 kDa	2	NR-20731
AMP-binding enzyme domain-containing protein	TGME49_chrXII:1047117-1054789(-)	782	TGME49_219230	87 kDa	1	NR-362
ankyrin repeat-containing protein	TGME49_chrVIIb:4775240-4780713(-)	1158	TGME49_255510	123 kDa	1	NR-362
anticodon binding domain-containing protein	TGVEG_chrIII:1526964-1536531(-)	1017	TGVEG_254200	112 kDa	1	NR-223
AP2 domain transcription factor AP2Ib-1	TGVEG_chrlb:519166-526326(+)	2311	TGVEG_208020	246 kDa	1	NR-223
AP2 domain transcription factor AP2IV-3 (AP2IV3)	TGME49_chrIV:1192145-1196254(+)	1369	TGME49_318610	147 kDa	2	NR-225
AP2 domain transcription factor AP2VIIa-6	TGVEG_chrVIIa:2914892-2922208(+)	2438	TGVEG_203050	257 kDa	2	NR-20730
AP2 domain transcription factor AP2VIII-2	TGVEG_chrVIII:2439049-2446560(-)	2503	TGVEG_233120	257 kDa	2	NR-44106
AP2 domain transcription factor AP2VIII-4	TGVEG_chrVIII:3785624-3795877(-)	3417	TGVEG_272710	357 kDa	1	NR-44106
AP2 domain transcription factor AP2XI-4 (AP2XI4)	TGME49_chrXI:4950718-4964341(+)	3236	TGME49_315760	347 kDa	1	NR-362
AP2 domain transcription factor AP2XII-4	TGVEG_chrXII:3478353-3490211(-)	3837	TGVEG_247700	402 kDa	1	NR-223
AP2 domain transcription factor APVIIb-1/ADA2-B	TGVEG_chrVIIb:1272584-1283508(-)	2728	TGVEG_262420	287 kDa	1	NR-20730
apical membrane antigen AMA1	TGVEG_chrVIIb:4969545-4974009(+)	569	TGVEG_255260	63 kDa	5	NR-20731
apical membrane antigen AMA1	TGME49_chrVIIb:4948067-4952962(+)	569	TGME49_255260	63 kDa	3	NR-225
apicoplast-associated thioredoxin family protein Atrx1	TGME49_chrXI:2434995-2443124(-)	790	TGME49_312110	87 kDa	2	NR-362
arginyl-tRNA synthetase family protein	TGVEG_chrIV:2037644-2046380(-)	595	TGVEG_210840	67 kDa	1	NR-223
ARID/BRIGHT DNA binding domain-containing protein	TGVEG_chrXII:2668917-2682187(+)	2713	TGVEG_246170	286 kDa	1	NR-223
asparaginyl-tRNA synthetase (NOB+tRNA synthase)	TGVEG_chrVIII:5233842-5237148(+)	676	TGVEG_270510	75 kDa	5	NR-20731
ATP synthase beta subunit ATP-B	TGVEG_chrVIIb:1497583-1500684(-)	560	TGVEG_261950	60 kDa	14	NR-223
ATP synthase beta subunit ATP-B (ATPB)	TGME49_chrVIIb:1481297-1484394(-)	560	TGME49_261950	60 kDa	10	NR-362
ATP synthase F1 gamma subunit	TGME49_chrVIII:1630628-1635289(+)	314	TGME49_231910	35 kDa	1	NR-362
ATP synthase, putative	TGME49_chrX:1872830-1874941(-)	183	TGME49_226000	19 kDa	2	NR-225
ATPase family associated with various cellular activities (AAA) subfamily protein	TGVEG_chrVI:2109284-2143838(+)	9030	TGVEG_242625	976 kDa	2	NR-20734
ATPase synthase subunit alpha, putative	TGME49_chrVIIa:1815332-1822685(+)	577	TGME49_204400	62 kDa	2	NR-362
ATPase, AAA family protein	TGVEG_chrVIII:4902284-4913046(+)	1600	TGVEG_270900	173 kDa	1	NR-20734

ATPase, AAA family protein	TGVEG_chrXII:3277822-3293132(+)	3910	TGVEG_247390	422 kDa	2	NR-44106
ATPase/histidine kinase/DNA gyrase B/HSP90 domain-containing protein	TGVEG_chrII:2000278-2010773(+)	1440	TGVEG_297780	155 kDa	2	NR-20731
ATP-binding cassette G family transporter ABCG77	TGVEG_chrXI:4827302-4833020(-)	1163	TGVEG_315560	127 kDa	1	NR-44106
ATP-dependent metallopeptidase HflB subfamily protein	TGME49_chrVIIa:3150425-3162195(-)	1188	TGME49_202630	128 kDa	1	NR-225
ATP-dependent metallopeptidase HflB subfamily protein	TGVEG_chrVIIa:3238625-3250149(-)	1188	TGVEG_202630	128 kDa	1	NR-44106
aurora kinase	TGVEG_chrVIIa:2953394-2961829(-)	2811	TGVEG_203010	298 kDa	1	NR-44106
autophagy-related cysteine peptidase atg4, putative	TGME49_chrVIIa:958359-970508(-)	3752	TGME49_206450	397 kDa	2	NR-362
beta tubulin	TGME49_chrIX:866875-869427(-)	449	TGME49_266960	50 kDa	13	NR-362
beta-tubulin	TGVEG_chrIX:897735-899788(-)	449	TGVEG_266960	50 kDa	10	NR-20731
beta-tubulin, putative	TGME49_chrII:489181-491518(-)	449	TGME49_221620	50 kDa	3	NR-225
Brf1p family coiled coil protein	TGVEG_chrVIII:2104392-2109017(+)	468	TGVEG_232440	54 kDa	36	NR-20731
brix domain-containing protein	TGVEG_chrVIII:3237691-3241746(-)	673	TGVEG_273840	74 kDa	3	NR-20731
brix domain-containing protein	TGVEG_chrVIII:2143882-2145600(-)	401	TGVEG_232520	43 kDa	1	NR-44106
calcium binding protein precursor, putative	TGME49_chrVIII:292153-294701(-)	335	TGME49_229480	38 kDa	3	NR-362
calcium-dependent protein kinase CDPK1	TGVEG_chrIV:2515865-2521227(+)	582	TGVEG_301440	65 kDa	5	NR-20731
calcium-dependent protein kinase CDPK3	TGVEG_chrIX:5667331-5674886(+)	537	TGVEG_305860	60 kDa	3	NR-20731
calcium-dependent protein kinase CDPK3 (CDPK3)	TGME49_chrIX:5629850-5637411(+)	537	TGME49_305860	60 kDa	3	NR-225
calcium-dependent protein kinase CDPK5	TGVEG_chrX:2541605-2546874(+)	682	TGVEG_224950	75 kDa	1	NR-20734
calmodulin, putative	TGME49_chrIX:5203644-5204045(+)	133	TGME49_305050	15 kDa	1	NR-362
CAM kinase, SNF1 family	TGME49_chrXI:4558985-4569066(-)	3194	TGME49_315190	342 kDa	2	NR-225
CAM kinase, SNF1/AMK1 family ToxPK1	TGVEG_chrVI:2684802-2690111(+)	360	TGVEG_243500	41 kDa	1	NR-44106
cAMP-dependent protein kinase	TGME49_chrIb:1612432-1614147(-)	571	TGME49_209985	62 kDa	3	NR-225
cAMP-dependent protein kinase regulatory subunit	TGVEG_chrVI:1881430-1886805(-)	385	TGVEG_242070	43 kDa	1	NR-223
cAMP-dependent protein kinase regulatory subunit	TGME49_chrVI:1871928-1877303(-)	385	TGME49_242070	43 kDa	2	NR-225
catalase	TGVEG_chrVIII:1980492-1986583(-)	502	TGVEG_232250	57 kDa	1	NR-223
catalase	TGME49_chrVIII:1973118-1980623(-)	502	TGME49_232250	57 kDa	3	NR-225
cathepsin CPC2 (CPC2)	TGME49_chrIII:127108-135573(-)	753	TGME49_276130	83 kDa	1	NR-225

cell division protein CDC48CY	TGVEG_chrVIII:3674338-3683521(-)	811	TGVEG_273090	89 kDa	8	NR-20731
cell division protein CDC48CY (CDC48CY)	TGME49_chrVIII:3664539-3673736(-)	811	TGME49_273090	89 kDa	2	NR-362
central domain galactose oxidase	TGVEG_chrVIIa:2569642-2579130(-)	1403	TGVEG_203480	146 kDa	1	NR-44106
centrin 2	TGVEG_chrXII:5034782-5036559(-)	170	TGVEG_250340	19 kDa	1	NR-223
chaperonin , putative	TGME49_chrVIIb:493203-495249(-)	127	TGME49_263530	14 kDa	1	NR-225
chaperonin cpn60, putative	TGME49_chrVI:1335457-1339036(+)	667	TGME49_240600	72 kDa	1	NR-225
chaperonin GroS protein	TGVEG_chrVIII:3154058-3158871(+)	374	TGVEG_273960	40 kDa	2	NR-20731
chaperonin protein BiP	TGVEG_chrXI:2237128-2240503(-)	668	TGVEG_311720	73 kDa	72	NR-20731
chaperonin protein BiP	TGME49_chrXI:2225378-2228753(-)	668	TGME49_311720	73 kDa	16	NR-362
'chromo' (CHRromatin Organization MODifier) domain-containing protein	TGME49_chrVIII:6575054-6586322(-)	1405	TGME49_268280	154 kDa	1	NR-225
chromodomain helicase DNA binding protein CHD1/SWI2/SNF2	TGVEG_chrVIIb:3487792-3505890(-)	2492	TGVEG_258240	271 kDa	1	NR-20734
Chromosome-associated kinesin KLP1, putative	TGME49_chrIII:333918-342715(+)	928	TGME49_221420	104 kDa	12	NR-362
clathrin heavy chain, putative	TGME49_chrIX:3962472-3974679(-)	1731	TGME49_290950	195 kDa	1	NR-225
CMGC kinase, CK2 family	TGVEG_chrVIIb:832819-837930(+)	539	TGVEG_263070	60 kDa	3	NR-20731
Coiled-coil domain containing 124 family protein	TGME49_chrX:5813454-5816517(+)	231	TGME49_237260	25 kDa	1	NR-362
corepressor complex CRC230	TGVEG_chrIX:5413659-5427286(+)	1916	TGVEG_305340	207 kDa	1	NR-20731
cullin family protein	TGVEG_chrV:2367421-2380607(-)	2442	TGVEG_285445	266 kDa	1	NR-20731
CW-type Zinc Finger protein	TGME49_chrIII:120563-131574(-)	2794	TGME49_221200	296 kDa	1	NR-225
cyclic nucleotide-binding domain-containing protein	TGVEG_chrXII:1116653-1144032(-)	2723	TGVEG_219070	308 kDa	1	NR-223
cyclin-dependent kinase	TGVEG_chrVI:1011950-1024948(+)	2325	TGVEG_239910	255 kDa	1	NR-20730
cyclophilin	TGVEG_chrIII:137136-139009(+)	179	TGVEG_221210	20 kDa	3	NR-20731
cyclophilin precursor	TGVEG_chrVIIa:1279855-1280901(+)	348	TGVEG_205700	38 kDa	3	NR-223
cytochrome c1, heme protein	TGME49_chrXII:2840190-2843546(+)	398	TGME49_246540	46 kDa	1	NR-225
cytochrome c1, heme protein	TGVEG_chrXII:2808475-2811853(+)	398	TGVEG_246540	46 kDa	2	NR-44106
cytochrome p450 superfamily protein	TGVEG_chrXI:4991859-4998278(-)	553	TGVEG_315770	63 kDa	2	NR-20730
cytosolic tRNA-Ala synthetase	TGVEG_chrXII:835122-848888(-)	1280	TGVEG_219540	139 kDa	2	NR-20731
D-3-phosphoglycerate dehydrogenase	TGVEG_chrVI:952061-960850(-)	604	TGVEG_239820	65 kDa	3	NR-20731
D-3-phosphoglycerate dehydrogenase	TGME49_chrVI:939130-947919(-)	604	TGME49_239820	65 kDa	2	NR-225
DALR anticodon binding domain-containing protein	TGVEG_chrVIII:2865426-2875451(+)	1307	TGVEG_233860	145 kDa	1	NR-20730

DEAD (Asp-Glu-Ala-Asp) box polypeptide DDX39	TGVEG_chrXI:5838208-5842298(+)	434	TGVEG_216860	49 kDa	2	NR-223
DEAD (Asp-Glu-Ala-Asp) box polypeptide DDX39 (DDX39)	TGME49_chrXI:5844665-5848755(+)	434	TGME49_216860	49 kDa	2	NR-225
DEAD (Asp-Glu-Ala-Asp) box polypeptide DDX3X	TGVEG_chrX:1652355-1655316(+)	734	TGVEG_226250	79 kDa	2	NR-20731
DEAD/DEAH box helicase domain-containing protein	TGVEG_chrVIIb:2878150-2887878(-)	950	TGVEG_259220	104 kDa	1	NR-223
DEAD/DEAH box helicase domain-containing protein	TGVEG_chrIa:826262-849317(-)	2434	TGVEG_294350	274 kDa	2	NR-44106
DEAD-family helicase	TGME49_chrII:2198046-2210150(+)	1158	TGME49_298020	131 kDa	1	NR-362
dehydrogenase E1 component family protein	TGVEG_chrVI:725272-731095(-)	571	TGVEG_239490	64 kDa	7	NR-20731
dense granule protein GRA1	TGVEG_chrVIII:5323347-5324054(-)	190	TGVEG_270250	20 kDa	22	NR-223
dense granule protein GRA1 (GRA1)	TGME49_chrVIII:5309663-5310370(-)	190	TGME49_270250	20 kDa	9	NR-362
dense granule protein GRA12	TGVEG_chrIX:2692412-2694205(-)	436	TGVEG_288650	48 kDa	21	NR-20731
dense granule protein GRA12 (GRA12)	TGME49_chrIX:2656853-2658646(-)	436	TGME49_288650	48 kDa	16	NR-362
dense granule protein GRA14	TGVEG_chrVI:895984-897210(-)	408	TGVEG_239740	45 kDa	4	NR-20731
dense granule protein GRA14 (GRA14)	TGME49_chrVI:883268-884494(-)	408	TGME49_239740	45 kDa	2	NR-362
dense granule protein GRA2	TGVEG_chrX:759771-760569(-)	185	TGVEG_227620	20 kDa	2	NR-20730
dense granule protein GRA2 (GRA2)	TGME49_chrX:869836-870634(-)	185	TGME49_227620	20 kDa	3	NR-362
dense granule protein GRA3	TGVEG_chrX:939398-940066(-)	222	TGVEG_227280	24 kDa	32	NR-20731
dense granule protein GRA3 (GRA3)	TGME49_chrX:1049718-1050380(-)	220	TGME49_227280	24 kDa	3	NR-362
dense granule protein GRA4	TGVEG_chrXI:1601110-1602147(-)	345	TGVEG_310780	36 kDa	5	NR-20730
dense granule protein GRA4 (GRA4)	TGME49_chrXI:1588521-1589558(-)	345	TGME49_310780	36 kDa	7	NR-362
dense granule protein GRA5	TGVEG_chrV:1779551-1779913(+)	120	TGVEG_286450	13 kDa	4	NR-20734
dense granule protein GRA5 (GRA5)	TGME49_chrV:1825437-1825799(+)	120	TGME49_286450	13 kDa	2	NR-225
dense granule protein GRA6 (GRA6)	TGME49_chrX:7271843-7272517(-)	224	TGME49_275440	23 kDa	2	NR-225
dense granule protein GRA7	TGVEG_chrVIIa:2692320-2693030(+)	236	TGVEG_203310	26 kDa	10	NR-20731
dense granule protein GRA7 (GRA7)	TGME49_chrVIIa:2604424-2605134(+)	236	TGME49_203310	26 kDa	18	NR-362
dense granule protein GRA8	TGVEG_chrIII:1913470-1914204(+)	244	TGVEG_254720	26 kDa	1	NR-44106
dense granule protein GRA8 (GRA8)	TGME49_chrIII:1904580-1905389(+)	269	TGME49_254720	29 kDa	3	NR-362
dense granule protein GRA9	TGVEG_chrXII:5441809-5443372(+)	318	TGVEG_251540	35 kDa	2	NR-44106
dense granule protein GRA9 (GRA9)	TGME49_chrXII:5450509-5452072(+)	318	TGME49_251540	35 kDa	5	NR-362
dense-granule antigen DG32	TGVEG_chrII:932115-933439(+)	300	TGVEG_222170	34 kDa	2	NR-223
dihydropteroate synthase	TGVEG_chrVIIb:2793825-2798828(-)	748	TGVEG_259550	83 kDa	2	NR-20731

Di-sulfide bridge nucleocytoplasmic transport domain protein	TGVEG_chrVIIb:1398643-1401577(+)	739	TGVEG_262080	80 kDa	1	NR-20734
DNA-directed RNA polymerase III RPC6	TGVEG_chrXII:1888977-1899756(-)	325	TGVEG_217580	36 kDa	2	NR-223
DnaJ domain-containing protein	TGVEG_chrX:2784984-2797121(-)	3043	TGVEG_224670	320 kDa	2	NR-20731
DnaJ domain-containing protein	TGVEG_chrX:6265866-6271086(-)	755	TGVEG_214530	82 kDa	1	NR-20734
DnaJ domain-containing protein	TGVEG_chrIX:3944440-3949205(-)	964	TGVEG_290880	109 kDa	1	NR-223
DnaJ domain-containing protein	TGVEG_chrVIII:1791708-1803137(-)	869	TGVEG_232050	96 kDa	2	NR-223
DnaJ family chaperone, putative	TGME49_chrXI:1901474-1906488(-)	426	TGME49_311240	47 kDa	1	NR-362
DnaJ family Sec63 protein	TGVEG_chrVIIb:2121702-2128272(-)	675	TGVEG_260630	77 kDa	2	NR-20730
DnaK family protein	TGVEG_chrX:1200684-1203551(-)	955	TGVEG_226830	105 kDa	3	NR-20731
DnaK family protein	TGVEG_chrXII:949862-956825(+)	818	TGVEG_219310	90 kDa	5	NR-20731
DnaK family protein	TGME49_chrX:1311834-1315968(-)	938	TGME49_226830	103 kDa	1	NR-225
DnaK family protein	TGME49_chrXII:977608-984396(+)	818	TGME49_219310	90 kDa	2	NR-362
domain K- type RNA binding proteins family protein	TGVEG_chrX:5108297-5114078(+)	570	TGVEG_235930	64 kDa	1	NR-20731
Dopey, N-terminal domain-containing protein	TGME49_chrX:6126102-6147431(+)	3107	TGME49_214230	334 kDa	3	NR-225
dynactin subunit 4	TGVEG_chrXI:5228498-5230567(+)	689	TGVEG_316240	75 kDa	3	NR-20730
dynein heavy chain family protein	TGME49_chrXI:944123-988175(-)	4610	TGME49_309980	523 kDa	1	NR-362
dynein light intermediate chain	TGVEG_chrXII:3406650-3414230(+)	697	TGVEG_247600	75 kDa	1	NR-223
dynein, axonemal, heavy chain 2 family protein	TGVEG_chrX:5061786-5106228(-)	4547	TGVEG_235920	521 kDa	2	NR-20730
EF hand domain-containing protein	TGVEG_chrVI:671344-673117(+)	513	TGVEG_239430	58 kDa	1	NR-20730
EF hand domain-containing protein	TGVEG_chrXI:5048899-5078623(+)	6368	TGVEG_315860	690 kDa	1	NR-20731
EF hand domain-containing protein	TGME49_chrXI:5027016-5056738(+)	6368	TGME49_315860	690 kDa	2	NR-362
EF hand domain-containing protein	TGVEG_chrX:3665716-3668600(+)	716	TGVEG_223520	82 kDa	2	NR-44106
EF-1 guanine nucleotide exchange domain-containing protein	TGVEG_chrX:1548706-1551511(-)	349	TGVEG_226410	38 kDa	3	NR-20731
elongation factor 1-alpha (EF-1-ALPHA), putative	TGME49_chrla:1148058-1149678(-)	448	TGME49_294800	49 kDa	7	NR-362
elongation factor 1-gamma, putative	TGME49_chrXII:185954-188540(+)	394	TGME49_300140	44 kDa	1	NR-362
elongation factor Tu GTP binding domain-containing protein	TGVEG_chrXII:6028018-6039302(-)	2560	TGVEG_278550	275 kDa	1	NR-20731
elongation factor Tu GTP binding domain-containing protein	TGVEG_chrVIII:6360722-6372992(-)	1697	TGVEG_268710	179 kDa	1	NR-44106
elongation factor Tu, putative	TGME49_chrVIIb:1315706-1319365(-)	552	TGME49_262380	60 kDa	2	NR-225

endonuclease/exonuclease/phosphatase family protein	TGVEG_chrVIIb:2785936-2792035(+)	1558	TGVEG_259560	165 kDa	1	NR-20734
enhancer of polycomb-like protein	TGVEG_chrX:2498459-2505619(-)	1474	TGVEG_225000	155 kDa	1	NR-20731
enolase 1	TGME49_chrVIII:6247157-6248985(-)	444	TGME49_268860	48 kDa	8	NR-225
enolase 2	TGVEG_chrVIII:6265905-6267983(-)	475	TGVEG_268850	52 kDa	12	NR-223
enolase 2	TGME49_chrVIII:6250570-6252648(-)	475	TGME49_268850	52 kDa	2	NR-362
eukaryotic aspartyl protease superfamily protein	TGVEG_chrVIIb:1680220-1685668(-)	921	TGVEG_261530	101 kDa	1	NR-20731
eukaryotic glutathione synthase, atp binding domain-containing protein	TGME49_chrX:1353078-1357505(-)	1475	TGME49_226800	161 kDa	2	NR-225
eukaryotic initiation factor-2, alpha subunit	TGVEG_chrXI:3210631-3214712(-)	347	TGVEG_313230	39 kDa	2	NR-20731
eukaryotic initiation factor-4A, putative	TGME49_chrXII:5194324-5196361(-)	412	TGME49_250770	47 kDa	5	NR-225
eukaryotic porin protein	TGVEG_chrVIIb:649926-653650(-)	290	TGVEG_263300	31 kDa	11	NR-20731
eukaryotic porin protein	TGME49_chrVIIb:643032-646756(-)	290	TGME49_263300	31 kDa	4	NR-362
eukaryotic translation initiation factor 3 subunit 6 interacting protein	TGVEG_chrVIII:3501795-3507673(-)	639	TGVEG_273460	75 kDa	3	NR-20731
FAD Malate-dehydrogenase (MDH-FAD)	TGVEG_chrIX:2616265-2620461(-)	550	TGVEG_288500	60 kDa	2	NR-20730
FATC domain-containing protein	TGVEG_chrV:2982975-3016395(-)	6012	TGVEG_283702	648 kDa	1	NR-20734
fatty acyl-CoA desaturase, putative	TGME49_chrVI:332497-341919(-)	1042	TGME49_238950	117 kDa	2	NR-225
flavoprotein subunit of succinate dehydrogenase	TGVEG_chrX:6964389-6973953(-)	669	TGVEG_215590	73 kDa	1	NR-20731
formin FRM2	TGVEG_chrVIIa:869556-886746(+)	4709	TGVEG_206580	491 kDa	1	NR-20734
formin FRM3	TGVEG_chrV:924726-933269(-)	2847	TGVEG_213370	299 kDa	1	NR-20734
fructose-1,6-bisphosphate aldolase	TGVEG_chrX:5172443-5174481(+)	433	TGVEG_236040	47 kDa	14	NR-20731
fructose-1,6-bisphosphate aldolase	TGME49_chrX:5250532-5252570(+)	433	TGME49_236040	47 kDa	2	NR-362
fructose-bisphosphate aldolase, putative	TGME49_chrX:5253245-5255390(+)	432	TGME49_236050	47 kDa	4	NR-362
fumarate hydratase	TGME49_chrIX:710487-716309(+)	776	TGME49_267330	84 kDa	1	NR-362
FUSE-binding protein 2 / KH-type splicing regulatory protein	TGVEG_chrXI:5965811-5969850(-)	941	TGVEG_216670	100 kDa	3	NR-20731
GAF domain protein	TGVEG_chrX:5314319-5320721(-)	1026	TGVEG_236510	110 kDa	4	NR-20731
galactosyltransferase amine-terminal domain protein	TGVEG_chrVIIb:2995709-3001462(-)	1109	TGVEG_259080	124 kDa	1	NR-20734
GAP40 protein	TGVEG_chrXII:4876799-4878074(+)	385	TGVEG_249850	43 kDa	6	NR-20731
Gar1/Naf1 RNA-binding region protein	TGVEG_chrIX:3297522-3302610(+)	989	TGVEG_289510	102 kDa	1	NR-223



GCC2 and GCC3 domain-containing protein	TGVEG_chrlb:90094-136808(+)	5081	TGVEG_207480	542 kDa	2	NR-20731
GDA1/CD39 (nucleoside phosphatase) family protein	TGVEG_chrX:2232286-2234220(-)	644	TGVEG_225290	70 kDa	2	NR-20734
glucose-6-phosphate 1-dehydrogenase	TGVEG_chrla:707186-714041(+)	560	TGVEG_294200	63 kDa	24	NR-20731
glucose-6-phosphate 1-dehydrogenase	TGVEG_chrXII:5839079-5852248(+)	878	TGVEG_278830	98 kDa	3	NR-20731
glucose-6-phosphate 1-dehydrogenase	TGME49_chrla:697682-705095(+)	560	TGME49_294200	63 kDa	4	NR-362
glucose-6-phosphate 1-dehydrogenase	TGME49_chrXII:5833297-5847457(+)	878	TGME49_278830	98 kDa	2	NR-362
glutamate/leucine/phenylalanine/valine dehydrogenase family protein	TGVEG_chrXII:4484163-4494687(+)	1206	TGVEG_249390	136 kDa	2	NR-223
glutamate/leucine/phenylalanine/valine dehydrogenase family protein	TGME49_chrXII:4509664-4520160(+)	1206	TGME49_249390	136 kDa	1	NR-225
glutamic acid-rcih protein, putative	TGME49_chrlb:1507993-1532330(+)	4971	TGME49_209880	535 kDa	2	NR-362
glyceraldehyde-3-phosphate dehydrogenase GAPDH1	TGVEG_chrIX:3415149-3417212(-)	489	TGVEG_289690	53 kDa	9	NR-223
glyceraldehyde-3-phosphate dehydrogenase GAPDH1 (GAPDH1)	TGME49_chrIX:3379273-3381336(-)	489	TGME49_289690	53 kDa	6	NR-362
glyceraldehyde-3-phosphate dehydrogenase GAPDH2	TGVEG_chrVIII:6018561-6022475(-)	995	TGVEG_269190	105 kDa	4	NR-20731
glyceraldehyde-3-phosphate dehydrogenase GAPDH2 (GAPDH2)	TGME49_chrVIII:6002854-6006768(-)	995	TGME49_269190	105 kDa	2	NR-225
glycerol-3-phosphate-acyltransferase	TGVEG_chrVIIb:4317179-4328550(-)	1002	TGVEG_256980	110 kDa	1	NR-44106
glycine cleavage T-protein (aminomethyl transferase) domain-containing protein	TGVEG_chrV:2896296-2906618(+)	1807	TGVEG_283820	197 kDa	1	NR-20734
glycoprotein	TGVEG_chrX:6424155-6426176(+)	283	TGVEG_214790	31 kDa	2	NR-223
glycoprotein	TGME49_chrX:6496460-6498480(+)	283	TGME49_214790	31 kDa	1	NR-362
glycosyltransferase	TGME49_chrlb:1578753-1592881(+)	1707	TGME49_209960	189 kDa	1	NR-225
glycyl-tRNA synthetase	TGVEG_chrVIIb:4311662-4314967(+)	771	TGVEG_256990	86 kDa	2	NR-20731
GRAM domain-containing protein	TGVEG_chrXI:2385652-2404518(+)	2528	TGVEG_311920	272 kDa	1	NR-20734
GTPase RAB7	TGVEG_chrXII:4208484-4213655(-)	432	TGVEG_248880	48 kDa	1	NR-223
GTP-binding nuclear protein ran/tc4	TGVEG_chrXII:3787577-3790634(+)	229	TGVEG_248340	26 kDa	8	NR-20731
GTP-binding nuclear protein ran/tc4	TGME49_chrXII:3816745-3819802(+)	229	TGME49_248340	26 kDa	3	NR-362
guanine nucleotide-binding protein	TGVEG_chrXI:5809811-5813405(-)	321	TGVEG_216880	35 kDa	1	NR-223
HEAT repeat-containing protein	TGVEG_chrlb:482700-493495(+)	1450	TGVEG_207970	156 kDa	1	NR-20730
HEAT repeat-containing protein	TGVEG_chrVIIa:353929-371426(-)	3407	TGVEG_280540	368 kDa	2	NR-20730
HEAT repeat-containing protein	TGVEG_chrVIII:1485868-1497105(-)	1169	TGVEG_231600	128 kDa	2	NR-223

HEAT repeat-containing protein	TGVEG_chrVIIa:509338-528118(+)	4132	TGVEG_280390	442 kDa	1	NR-223
HEAT repeat-containing protein	TGME49_chrIX:1239446-1251938(+)	914	TGME49_266280	102 kDa	1	NR-362
HEAT repeat-containing protein	TGME49_chrVIIa:312234-329357(-)	3381	TGME49_280540	365 kDa	2	NR-362
HEAT repeat-containing protein	TGME49_chrIX:2056664-2069930(-)	3442	TGME49_264752	368 kDa	2	NR-362
heat shock protein	TGVEG_chrXII:5576952-5581918(-)	728	TGVEG_251780	78 kDa	8	NR-20731
heat shock protein	TGVEG_chrVIII:2297594-2298401(-)	185	TGVEG_324600	20 kDa	8	NR-223
heat shock protein	TGME49_chrXII:5582774-5587740(-)	728	TGME49_251780	78 kDa	4	NR-362
heat shock protein 40, putative	TGME49_chrIX:1622549-1628560(+)	336	TGME49_265310	37 kDa	1	NR-225
heat shock protein 90, putative	TGME49_chrVI:3356828-3362144(+)	847	TGME49_244560	97 kDa	6	NR-362
heat shock protein HSP20 (HSP20)	TGME49_chrVIII:2288062-2289106(-)	185	TGME49_232940	20 kDa	4	NR-362
heat shock protein HSP21 (HSP21)	TGME49_chrXI:2818748-2821102(+)	195	TGME49_312600	21 kDa	2	NR-225
heat shock protein HSP29 (HSP29)	TGME49_chrIX:3340230-3341704(-)	272	TGME49_289600	30 kDa	1	NR-225
heat shock protein HSP60	TGVEG_chrXII:3381386-3385372(-)	575	TGVEG_247550	61 kDa	8	NR-223
heat shock protein HSP60 (HSP60)	TGME49_chrXII:3411121-3415093(-)	575	TGME49_247550	61 kDa	3	NR-362
heat shock protein HSP70	TGVEG_chrVIII:3298080-3300083(-)	667	TGVEG_273760	72 kDa	20	NR-20731
heat shock protein HSP70 (HSP70)	TGME49_chrVIII:3289396-3291420(-)	674	TGME49_273760	73 kDa	14	NR-362
heat shock protein HSP90	TGVEG_chrIX:2518767-2523154(+)	708	TGVEG_288380	82 kDa	20	NR-20731
heat shock protein HSP90 (HSP90)	TGME49_chrIX:2483404-2487798(+)	708	TGME49_288380	82 kDa	10	NR-362
HECT-domain (ubiquitin-transferase) domain-containing protein	TGVEG_chrlb:939289-978093(-)	12299	TGVEG_209000	1311 kDa	1	NR-20734
HECT-domain (ubiquitin-transferase) domain-containing protein	TGME49_chrVIIa:193314-255431(-)	17226	TGME49_280660	1855 kDa	1	NR-362
HECT-domain (ubiquitin-transferase) domain-containing protein	TGVEG_chrVIIa:234399-287956(-)	15897	TGVEG_280660	1711 kDa	2	NR-44106
HECT-domain (ubiquitin-transferase) domain-containing protein	TGVEG_chrla:1589377-1619906(-)	8007	TGVEG_295710	841 kDa	2	NR-44106
helicase associated domain (ha2) protein	TGME49_chrIV:1321030-1334390(-)	2234	TGME49_318440	237 kDa	2	NR-225
histone H2A1	TGVEG_chrVIII:1821751-1822293(-)	180	TGVEG_261250	20 kDa	23	NR-20730
histone H2A1	TGME49_chrVIIb:1806335-1806877(-)	180	TGME49_261250	20 kDa	3	NR-225
histone H2AX	TGME49_chrVIIb:1648939-1649346(-)	135	TGME49_261580	15 kDa	12	NR-225
histone H2AZ	TGVEG_chrXII:151840-153578(-)	155	TGVEG_300200	16 kDa	8	NR-20731
histone H2AZ	TGME49_chrXII:159657-161396(-)	155	TGME49_300200	16 kDa	7	NR-362
histone H2Ba	TGME49_chrIX:5259734-5260084(+)	116	TGME49_305160	13 kDa	2	NR-225
histone H2Bb	TGVEG_chrXII:5628051-5628398(+)	115	TGVEG_251870	13 kDa	6	NR-20731
histone H3	TGVEG_chrVIIb:1822729-1823139(+)	136	TGVEG_261240	15 kDa	10	NR-20730
histone H3.3	TGME49_chrXII:1637998-1638408(+)	136	TGME49_218260	15 kDa	3	NR-362

histone H4	TGVEG_chrVI:511313-511624(-)	103	TGVEG_239260	11 kDa	8	NR-223
histone H4	TGME49_chrVI:497127-497438(-)	103	TGME49_239260	11 kDa	4	NR-362
histone lysine acetyltransferase GCN5-A	TGVEG_chrIII:1832302-1839096(+)	1186	TGVEG_254555	128 kDa	1	NR-20730
histone lysine methyltransferase SET1	TGVEG_chrX:1214638-1243630(+)	7555	TGVEG_226810	803 kDa	3	NR-20734
histone lysine methyltransferase SET1 (SET1)	TGME49_chrX:1321918-1350882(+)	7551	TGME49_226810	803 kDa	2	NR-362
histone lysine-specific demethylase	TGVEG_chrVI:2025661-2042914(+)	3802	TGVEG_242415	414 kDa	2	NR-223
homeodomain-like domain protein	TGVEG_chrVIII:2474631-2482122(+)	1874	TGVEG_233160	199 kDa	1	NR-44106
homocysteine s-methyltransferase domain-containing protein	TGVEG_chrVIIIb:3870710-3875105(+)	434	TGVEG_257750	47 kDa	1	NR-20730
hypothetical protein	TGVEG_chrVI:836714-840185(+)	956	TGVEG_239670	104 kDa	1	NR-20730
hypothetical protein	TGVEG_chrXII:5191593-5200946(+)	1264	TGVEG_250790	136 kDa	1	NR-20730
hypothetical protein	TGVEG_chrXII:6009223-6014641(+)	1311	TGVEG_278600	142 kDa	1	NR-20730
hypothetical protein	TGVEG_chrIX:1895156-1899067(+)	1303	TGVEG_264980	144 kDa	2	NR-20730
hypothetical protein	TGVEG_chrXI:2320533-2320943(-)	136	TGVEG_311820	15 kDa	1	NR-20730
hypothetical protein	TGVEG_chrX:3505732-3512465(-)	1588	TGVEG_223760	169 kDa	2	NR-20730
hypothetical protein	TGVEG_chrVIII:5997291-6002450(+)	1719	TGVEG_269210	182 kDa	1	NR-20730
hypothetical protein	TGVEG_chrV:73034-78848(-)	1899	TGVEG_220132	201 kDa	1	NR-20730
hypothetical protein	TGVEG_chrVIII:454041-454790(-)	249	TGVEG_229790B	26 kDa	1	NR-20730
hypothetical protein	TGVEG_chrVIII:4286701-4288458(+)	234	TGVEG_271930	26 kDa	2	NR-20730
hypothetical protein	TGVEG_chrXII:643074-654633(+)	2525	TGVEG_219738	273 kDa	1	NR-20730
hypothetical protein	TGVEG_chrIX:225616-227233(+)	384	TGVEG_279410	42 kDa	1	NR-20730
hypothetical protein	TGVEG_chrV:865192-882503(+)	4983	TGVEG_213300	539 kDa	1	NR-20730
hypothetical protein	TGVEG_chrVIII:4751724-4753744(+)	481	TGVEG_271080	54 kDa	1	NR-20730
hypothetical protein	TGVEG_chrIX:2284897-2287351(+)	787	TGVEG_440440	78 kDa	2	NR-20730
hypothetical protein	TGVEG_chrVIIIb:985451-989763(-)	803	TGVEG_262850	88 kDa	2	NR-20730
hypothetical protein	TGVEG_chrIII:309919-312552(+)	877	TGVEG_275650	101 kDa	1	NR-20731
hypothetical protein	TGVEG_chrIX:3326759-3329572(+)	937	TGVEG_289540	101 kDa	2	NR-20731
hypothetical protein	TGVEG_chrVIII:5516892-5520411(-)	944	TGVEG_269950	105 kDa	4	NR-20731
hypothetical protein	TGVEG_chrVIII:657054-657924(-)	142	TGVEG_230160	16 kDa	9	NR-20731
hypothetical protein	TGVEG_chrXII:5110301-5117389(+)	1509	TGVEG_250700	161 kDa	1	NR-20731
hypothetical protein	TGVEG_chrIII:776115-781437(-)	1519	TGVEG_253140	165 kDa	2	NR-20731
hypothetical protein	TGVEG_chrVIII:4235665-4244835(+)	1541	TGVEG_272000	169 kDa	1	NR-20731
hypothetical protein	TGVEG_chrIX:2592099-2606121(+)	1816	TGVEG_288460	198 kDa	1	NR-20731
hypothetical protein	TGVEG_chrVIII:983288-993623(+)	1963	TGVEG_230700	213 kDa	2	NR-20731
hypothetical protein	TGVEG_chrIV:1838598-1846426(-)	2240	TGVEG_211340	240 kDa	1	NR-20731

hypothetical protein	TGVEG_chrVIIb:1715820-1726036(+)	2390	TGVEG_261490	262 kDa	1	NR-20731
hypothetical protein	TGVEG_chrVIIa:3850811-3860016(+)	2624	TGVEG_201820	274 kDa	1	NR-20731
hypothetical protein	TGVEG_chrVIIb:2547209-2554918(-)	2569	TGVEG_260000	280 kDa	2	NR-20731
hypothetical protein	TGVEG_chrV:2558595-2566803(+)	2574	TGVEG_285140	282 kDa	2	NR-20731
hypothetical protein	TGVEG_chrVIII:1999431-2001382(+)	275	TGVEG_232280	30 kDa	2	NR-20731
hypothetical protein	TGVEG_chrVIII:2648108-2667270(+)	3806	TGVEG_233430	411 kDa	1	NR-20731
hypothetical protein	TGVEG_chrV:3044690-3046149(-)	376	TGVEG_283540	42 kDa	2	NR-20731
hypothetical protein	TGVEG_chrX:44431-45780(-)	449	TGVEG_228760	49 kDa	2	NR-20731
hypothetical protein	TGVEG_chrIX:6234740-6236747(-)	440	TGVEG_306580	49 kDa	1	NR-20731
hypothetical protein	TGVEG_chrVIII:4177521-4195001(-)	4618	TGVEG_272155	494 kDa	1	NR-20731
hypothetical protein	TGVEG_chrXII:720511-736126(-)	4948	TGVEG_325100	551 kDa	2	NR-20731
hypothetical protein	TGVEG_chrX:6755726-6758048(+)	578	TGVEG_215220	63 kDa	3	NR-20731
hypothetical protein	TGVEG_chrVIIa:3717929-3750270(-)	7954	TGVEG_202070	848 kDa	1	NR-20731
hypothetical protein	TGVEG_chrVI:2855848-2859244(+)	845	TGVEG_243780	91 kDa	1	NR-20731
hypothetical protein	TGVEG_chrIX:3278033-3283397(+)	921	TGVEG_289380	100 kDa	1	NR-20734
hypothetical protein	TGVEG_chrIX:1208730-1216233(+)	924	TGVEG_266372	103 kDa	1	NR-20734
hypothetical protein	TGVEG_chrX:6577784-6581423(-)	1110	TGVEG_214980	117 kDa	1	NR-20734
hypothetical protein	TGVEG_chrVIIb:2028768-2035613(+)	1227	TGVEG_260830	134 kDa	2	NR-20734
hypothetical protein	TGVEG_chrVI:546608-552418(+)	1186	TGVEG_239300A	135 kDa	1	NR-20734
hypothetical protein	TGVEG_chrVI:327553-333450(-)	1591	TGVEG_238930	175 kDa	9	NR-20734
hypothetical protein	TGVEG_chrX:5975866-5980782(+)	1638	TGVEG_214130	176 kDa	1	NR-20734
hypothetical protein	TGVEG_chrX:5986019-5993598(+)	1975	TGVEG_214140	205 kDa	1	NR-20734
hypothetical protein	TGVEG_chrIV:203140-220485(+)	2072	TGVEG_320592	222 kDa	1	NR-20734
hypothetical protein	TGVEG_chrII:1039060-1047356(-)	2331	TGVEG_222330	257 kDa	1	NR-20734
hypothetical protein	TGVEG_chrXI:2974543-2983755(-)	2397	TGVEG_312875	260 kDa	1	NR-20734
hypothetical protein	TGVEG_chrVIIb:1638376-1640583(-)	254	TGVEG_261620	30 kDa	1	NR-20734
hypothetical protein	TGVEG_chrV:2789554-2805526(-)	2849	TGVEG_284040	312 kDa	1	NR-20734
hypothetical protein	TGVEG_chrXI:3453237-3463625(-)	2946	TGVEG_313495	319 kDa	1	NR-20734
hypothetical protein	TGVEG_chrVIII:2932618-2942067(+)	3149	TGVEG_233960	345 kDa	1	NR-20734
hypothetical protein	TGVEG_chrXI:4433379-4446713(+)	3263	TGVEG_314920	345 kDa	1	NR-20734
hypothetical protein	TGVEG_chrXI:1712397-1729464(+)	3415	TGVEG_310970	370 kDa	2	NR-20734
hypothetical protein	TGVEG_chrVIII:5944135-5961658(-)	4668	TGVEG_269290	503 kDa	1	NR-20734
hypothetical protein	TGVEG_chrII:1449885-1452149(-)	754	TGVEG_223095	82 kDa	1	NR-20734
hypothetical protein	TGVEG_chrVI:1048813-1051344(+)	843	TGVEG_240060	89 kDa	2	NR-20734
hypothetical protein	TGVEG_chrIII:2091542-2094883(+)	1113	TGVEG_299270	119 kDa	2	NR-223
hypothetical protein	TGVEG_chrVIIb:81928-85485(-)	1185	TGVEG_264210	124 kDa	1	NR-223

hypothetical protein	TGVEG_chrVIII:5660622-5665054(-)	1139	TGVEG_269720	126 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIII:4279083-4284027(+)	1162	TGVEG_271950	126 kDa	1	NR-223
hypothetical protein	TGVEG_chrXII:3974351-3980235(+)	1767	TGVEG_248570	198 kDa	2	NR-223
hypothetical protein	TGVEG_chrXI:1547617-1558688(-)	2041	TGVEG_310720	216 kDa	2	NR-223
hypothetical protein	TGVEG_chrIII:1841101-1853869(-)	2002	TGVEG_254570	225 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIII:4394279-4410849(+)	2022	TGVEG_271770	225 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIIa:1000907-1002603(-)	207	TGVEG_206480	23 kDa	2	NR-223
hypothetical protein	TGVEG_chrVIIb:2667293-2676304(-)	2126	TGVEG_259860	230 kDa	3	NR-223
hypothetical protein	TGVEG_chrXII:1964596-1976505(-)	2234	TGVEG_217680	246 kDa	3	NR-223
hypothetical protein	TGVEG_chrIX:636498-637835(+)	230	TGVEG_267500	26 kDa	2	NR-223
hypothetical protein	TGVEG_chrII:1385576-1387131(-)	239	TGVEG_223040	27 kDa	1	NR-223
hypothetical protein	TGVEG_chrX:6883990-6888378(-)	244	TGVEG_215430	28 kDa	1	NR-223
hypothetical protein	KI544577:2927-4371(+)	269	TGVEG_220950	28 kDa	7	NR-223
hypothetical protein	TGVEG_chrX:1661567-1664184(+)	276	TGVEG_226245	30 kDa	2	NR-223
hypothetical protein	TGVEG_chrXI:3342055-3343786(+)	274	TGVEG_313380	32 kDa	2	NR-223
hypothetical protein	KI544730:145-1683(-)	320	TGVEG_442370	34 kDa	17	NR-223
hypothetical protein	TGVEG_chrVI:2384113-2402436(+)	3150	TGVEG_242890	343 kDa	1	NR-223
hypothetical protein	TGVEG_chrXI:800844-801791(-)	315	TGVEG_309760	35 kDa	1	NR-223
hypothetical protein	TGVEG_chrX:4241085-4242556(+)	347	TGVEG_234380	39 kDa	4	NR-223
hypothetical protein	TGVEG_chrVIIb:4733014-4747177(-)	3696	TGVEG_255700	404 kDa	1	NR-223
hypothetical protein	TGVEG_chrXI:593025-607263(-)	3800	TGVEG_309250	407 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIII:4675187-4699621(+)	5655	TGVEG_271145	608 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIIa:706780-727510(+)	6038	TGVEG_304720	649 kDa	1	NR-223
hypothetical protein	TGVEG_chrXI:312500-316083(-)	654	TGVEG_308860	70 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIIa:2810381-2820253(-)	666	TGVEG_203160	75 kDa	2	NR-223
hypothetical protein	TGVEG_chrIV:2369636-2372766(-)	695	TGVEG_301240	75 kDa	1	NR-223
hypothetical protein	TGVEG_chrVIII:6274482-6282381(+)	767	TGVEG_268835	87 kDa	1	NR-223
hypothetical protein	TGVEG_chrX:6194777-6198592(-)	845	TGVEG_214370	91 kDa	1	NR-223
hypothetical protein	TGVEG_chrX:2629120-2665174(+)	8643	TGVEG_224870	931 kDa	1	NR-223
hypothetical protein	TGME49_chrIX:3291692-3295474(+)	937	TGME49_289540	101 kDa	3	NR-225
hypothetical protein	TGME49_chrXII:1716866-1723890(-)	918	TGME49_218188	102 kDa	1	NR-225
hypothetical protein	TGME49_chrVIII:5502774-5506290(-)	944	TGME49_269950	105 kDa	2	NR-225
hypothetical protein	TGME49_chrV:1775544-1778411(-)	955	TGME49_286580	107 kDa	6	NR-225
hypothetical protein	TGME49_chrXI:2671170-2676362(-)	1086	TGME49_312420	118 kDa	2	NR-225
hypothetical protein	TGME49_chrVIIb:1739611-1746545(-)	1111	TGME49_261450	119 kDa	1	NR-225
hypothetical protein	TGME49_chrXII:5242184-5247719(+)	1156	TGME49_250820	121 kDa	2	NR-225

hypothetical protein	TGME49_chrVIII:721426-733432(-)	1254	TGME49_230350	139 kDa	1	NR-225
hypothetical protein	TGME49_chrVI:3432508-3439482(+)	1332	TGME49_244660	143 kDa	1	NR-225
hypothetical protein	TGME49_chrIV:97671-101804(+)	1377	TGME49_320750	149 kDa	2	NR-225
hypothetical protein	TGME49_chrX:3225503-3238161(-)	1356	TGME49_224210	150 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:4855798-4856274(+)	158	TGME49_315610	16 kDa	2	NR-225
hypothetical protein	TGME49_chrX:3602985-3609718(-)	1588	TGME49_223760	169 kDa	1	NR-225
hypothetical protein	TGME49_chrX:2697253-2698033(-)	149	TGME49_224905	17 kDa	1	NR-225
hypothetical protein	TGME49_chrVIII:6092926-6102026(+)	1572	TGME49_269060	171 kDa	2	NR-225
hypothetical protein	TGME49_chrXII:1867132-1875006(+)	1589	TGME49_217480	175 kDa	2	NR-225
hypothetical protein	TGME49_chrVIII:5982326-5987566(+)	1746	TGME49_269210	185 kDa	1	NR-225
hypothetical protein	TGME49_chrVIII:2140644-2145983(+)	1779	TGME49_232530	193 kDa	1	NR-225
hypothetical protein	TGME49_chrIII:880824-903021(+)	1981	TGME49_253370	217 kDa	1	NR-225
hypothetical protein	TGME49_chrIV:1959475-1961940(-)	191	TGME49_211030	22 kDa	3	NR-225
hypothetical protein	TGME49_chrXII:3393841-3394482(-)	213	TGME49_247530	23 kDa	1	NR-225
hypothetical protein	TGME49_chrIII:1380887-1390283(+)	2197	TGME49_253990	231 kDa	2	NR-225
hypothetical protein	TGME49_chrVI:181594-189527(+)	2122	TGME49_238390	232 kDa	1	NR-225
hypothetical protein	TGME49_chrX:5564293-5565313(-)	218	TGME49_236890	25 kDa	1	NR-225
hypothetical protein	TGME49_chrVIIb:1700648-1710832(+)	2356	TGME49_261490	258 kDa	1	NR-225
hypothetical protein	TGME49_chrVIIb:4916993-4926347(+)	2496	TGME49_255300	265 kDa	1	NR-225
hypothetical protein	TGME49_chrX:2486271-2491280(+)	242	TGME49_225120	27 kDa	1	NR-225
hypothetical protein	TGME49_chrXII:3390730-3391500(-)	256	TGME49_247520	27 kDa	4	NR-225
hypothetical protein	TGME49_chrV:205015-216424(-)	2590	TGME49_220208	281 kDa	1	NR-225
hypothetical protein	TGME49_chrII:1429798-1440360(-)	2909	TGME49_223080	307 kDa	1	NR-225
hypothetical protein	TGME49_chrIX:6239551-6241640(-)	286	TGME49_306650	32 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:2910721-2923663(+)	2966	TGME49_312700	322 kDa	2	NR-225
hypothetical protein	TGME49_chrIX:2291617-2302605(+)	2983	TGME49_288000	328 kDa	1	NR-225
hypothetical protein	TGME49_chrXII:2180818-2190517(+)	3095	TGME49_217860	329 kDa	2	NR-225
hypothetical protein	TGME49_chrVIIa:2618800-2619792(-)	330	TGME49_203290	36 kDa	2	NR-225
hypothetical protein	TGME49_chrIX:395802-396824(+)	340	TGME49_267740	37 kDa	2	NR-225
hypothetical protein	TGME49_chrVIIb:638309-640338(-)	403	TGME49_263320	42 kDa	1	NR-225
hypothetical protein	TGME49_chrXII:2863310-2866992(+)	383	TGME49_246580	43 kDa	1	NR-225
hypothetical protein	TGME49_chrX:609073-639378(+)	4084	TGME49_228070	442 kDa	2	NR-225
hypothetical protein	TGME49_chrIII:50750-64177(+)	4184	TGME49_276200	449 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:5210057-5211241(-)	394	TGME49_316250	45 kDa	3	NR-225
hypothetical protein	TGME49_chrV:839164-840522(-)	452	TGME49_213067	50 kDa	2	NR-225
hypothetical protein	TGME49_chrVIII:5929120-5946657(-)	4668	TGME49_269290	503 kDa	1	NR-225

hypothetical protein	TGME49_chrIX:1123719-1150129(+)	4519	TGME49_266435	508 kDa	1	NR-225
hypothetical protein	TGME49_chrVIII:1061637-1064135(+)	476	TGME49_230850	51 kDa	2	NR-225
hypothetical protein	TGME49_chrIX:4841023-4842462(-)	479	TGME49_210370	52 kDa	2	NR-225
hypothetical protein	TGME49_chrIX:2363380-2379419(-)	5015	TGME49_288190	536 kDa	1	NR-225
hypothetical protein	TGME49_chrXII:749487-765567(-)	4900	TGME49_219660	543 kDa	1	NR-225
hypothetical protein	TGME49_chrIX:4194366-4223727(-)	5354	TGME49_291180	574 kDa	3	NR-225
hypothetical protein	TGME49_chrII:1516889-1518752(-)	519	TGME49_297070	58 kDa	2	NR-225
hypothetical protein	TGME49_chrVIII:5731763-5733866(-)	577	TGME49_269630	61 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:2459938-2463885(+)	567	TGME49_312150	61 kDa	1	NR-225
hypothetical protein	TGME49_chrIX:2006823-2009630(-)	628	TGME49_264805	72 kDa	1	NR-225
hypothetical protein	TGME49_chrX:3932540-3937693(+)	683	TGME49_212300	76 kDa	4	NR-225
hypothetical protein	TGME49_chrVIII:6293958-6318640(-)	7354	TGME49_268780	776 kDa	1	NR-225
hypothetical protein	TGME49_chrVI:731121-734754(+)	700	TGME49_239520	78 kDa	4	NR-225
hypothetical protein	TGME49_chrVI:391772-394090(-)	772	TGME49_239010	80 kDa	2	NR-225
hypothetical protein	TGME49_chrIII:1758819-1763403(+)	732	TGME49_254470	80 kDa	3	NR-225
hypothetical protein	TGME49_chrII:1444629-1446893(-)	754	TGME49_223095	82 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:6208574-6238500(-)	7450	TGME49_216335	820 kDa	2	NR-225
hypothetical protein	TGME49_chrVIIa:3523795-3527924(-)	793	TGME49_202200	87 kDa	1	NR-225
hypothetical protein	TGME49_chrVI:1035230-1037761(+)	843	TGME49_240060	89 kDa	3	NR-225
hypothetical protein	TGME49_chrIV:2121505-2154366(+)	8642	TGME49_210700	927 kDa	2	NR-225
hypothetical protein	TGME49_chrXII:2790740-2796228(-)	829	TGME49_246475	94 kDa	1	NR-225
hypothetical protein	TGME49_chrXI:751293-759036(+)	960	TGME49_309600	107 kDa	2	NR-362
hypothetical protein	TGME49_chrVIII:1808775-1843412(-)	10329	TGME49_232080	1101 kDa	1	NR-362
hypothetical protein	TGME49_chrVIII:5868237-5871936(+)	1067	TGME49_269365	113 kDa	1	NR-362
hypothetical protein	TGME49_chrIII:1950810-1956678(-)	1221	TGME49_254830	131 kDa	1	NR-362
hypothetical protein	TGME49_chrX:2065975-2104376(+)	12206	TGME49_225745	1320 kDa	1	NR-362
hypothetical protein	TGME49_chrIX:1983821-1993532(+)	1252	TGME49_264830	137 kDa	1	NR-362
hypothetical protein	TGME49_chrVI:531604-538313(+)	1232	TGME49_239300	139 kDa	1	NR-362
hypothetical protein	TGME49_chrlb:1428389-1432216(+)	1275	TGME49_209755	140 kDa	1	NR-362
hypothetical protein	TGME49_chrVIII:2947108-2951208(-)	1366	TGME49_274180	141 kDa	1	NR-362
hypothetical protein	TGME49_chrXII:2008412-2013673(-)	1327	TGME49_217692	144 kDa	1	NR-362
hypothetical protein	TGME49_chrXI:3527394-3573580(-)	13455	TGME49_313630	1452 kDa	1	NR-362
hypothetical protein	TGME49_chrIV:1362993-1373084(-)	1434	TGME49_318400	156 kDa	2	NR-362
hypothetical protein	TGME49_chrVIII:650426-651296(-)	142	TGME49_230160	16 kDa	3	NR-362
hypothetical protein	TGME49_chrXI:2731942-2742952(-)	1557	TGME49_312500	170 kDa	2	NR-362
hypothetical protein	TGME49_chrIX:2434121-2438905(+)	1594	TGME49_288280	173 kDa	1	NR-362

hypothetical protein	TGME49_chrVIII:6824629-6825189(+)	186	TGME49_200360	20 kDa	2	NR-362
hypothetical protein	TGME49_chrX:1880461-1888832(-)	1842	TGME49_225980	201 kDa	1	NR-362
hypothetical protein	TGME49_chrII:498311-506196(-)	1940	TGME49_221630	210 kDa	1	NR-362
hypothetical protein	TGME49_chrXI:6494435-6495067(+)	210	TGME49_215980	24 kDa	5	NR-362
hypothetical protein	TGME49_chrIX:3558050-3559653(+)	232	TGME49_289970	24 kDa	2	NR-362
hypothetical protein	TGME49_chrXII:1990538-2002447(-)	2234	TGME49_217680	246 kDa	3	NR-362
hypothetical protein	TGME49_chrX:4234352-4250098(-)	2276	TGME49_234250	249 kDa	1	NR-362
hypothetical protein	TGME49_chrVIIb:3413789-3423357(+)	2336	TGME49_258450	249 kDa	1	NR-362
hypothetical protein	TGME49_chrX:235782-244473(-)	2497	TGME49_228670	259 kDa	1	NR-362
hypothetical protein	TGME49_chrIX:610582-611919(+)	230	TGME49_267500	26 kDa	3	NR-362
hypothetical protein	TGME49_chrII:2036460-2039203(-)	266	TGME49_297810	30 kDa	2	NR-362
hypothetical protein	TGME49_chrXI:3178262-3187570(-)	3102	TGME49_313210	334 kDa	1	NR-362
hypothetical protein	TGME49_chrXI:792237-793184(-)	315	TGME49_309760	35 kDa	1	NR-362
hypothetical protein	TGME49_chrVIII:4536352-4546923(-)	3523	TGME49_271370	379 kDa	1	NR-362
hypothetical protein	TGME49_chrX:1453772-1473117(+)	3735	TGME49_226660	390 kDa	2	NR-362
hypothetical protein	TGME49_chrXII:3959491-3983779(-)	3620	TGME49_248540	390 kDa	1	NR-362
hypothetical protein	TGME49_chrX:1675489-1676625(+)	378	TGME49_226380	43 kDa	4	NR-362
hypothetical protein	TGME49_chrVIII:3105984-3124720(+)	3903	TGME49_274000	438 kDa	2	NR-362
hypothetical protein	TGME49_chrV:3074734-3088088(+)	4210	TGME49_283550	456 kDa	1	NR-362
hypothetical protein	TGME49_chrII:91398-94253(+)	435	TGME49_279100	48 kDa	5	NR-362
hypothetical protein	TGME49_chrX:2977229-2998629(-)	4798	TGME49_224540	497 kDa	1	NR-362
hypothetical protein	TGME49_chrXI:1880862-1900195(+)	4690	TGME49_311230	505 kDa	2	NR-362
hypothetical protein	TGME49_chrX:5034378-5037125(+)	558	TGME49_235670	60 kDa	1	NR-362
hypothetical protein	TGME49_chrVIIa:1307040-1330896(+)	5843	TGME49_205562	627 kDa	1	NR-362
hypothetical protein	TGME49_chrVIIb:137834-157243(-)	6085	TGME49_264140	653 kDa	1	NR-362
hypothetical protein	TGME49_chrVI:593375-614460(-)	6052	TGME49_239885	656 kDa	1	NR-362
hypothetical protein	TGME49_chrX:6825368-6827843(+)	629	TGME49_215220	69 kDa	3	NR-362
hypothetical protein	TGME49_chrXI:5206592-5208661(+)	689	TGME49_316240	75 kDa	2	NR-362
hypothetical protein	TGME49_chrVIIb:909930-912343(-)	681	TGME49_262935	77 kDa	1	NR-362
hypothetical protein	TGME49_chrVIIa:3630367-3663316(-)	7892	TGME49_202070	842 kDa	2	NR-362
hypothetical protein	TGME49_chrX:2727980-2763964(+)	8611	TGME49_224870	927 kDa	2	NR-362
hypothetical protein	TGME49_chrXII:4972727-4977510(-)	838	TGME49_249990	93 kDa	6	NR-362
hypothetical protein	TGME49_chrVIII:5680835-5683996(+)	865	TGME49_269690	94 kDa	3	NR-362
hypothetical protein	TGME49_chrIX:5725096-5755268(+)	8847	TGME49_306020	953 kDa	1	NR-362
hypothetical protein	TGME49_chrVIIa:1871198-1875691(-)	877	TGME49_204340	97 kDa	2	NR-362
hypothetical protein	TGVEG_chrXI:759894-767633(+)	960	TGVEG_309600	107 kDa	2	NR-44106



hypothetical protein	TGVEG_chrXI:4745168-4756070(-)	1008	TGVEG_315460	108 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVIIb:4143888-4147139(-)	1083	TGVEG_257330	117 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVIII:2683458-2688840(+)	1179	TGVEG_233490	126 kDa	1	NR-44106
hypothetical protein	TGVEG_chrXII:3866730-3906820(-)	11926	TGVEG_248510	1295 kDa	1	NR-44106
hypothetical protein	TGVEG_chrIX:1660168-1663869(-)	1233	TGVEG_265280	133 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVIII:610981-615959(-)	1256	TGVEG_230110	136 kDa	1	NR-44106
hypothetical protein	TGVEG_chrIV:1386065-1390517(+)	1278	TGVEG_318390	138 kDa	1	NR-44106
hypothetical protein	TGVEG_chrV:673683-684142(-)	1400	TGVEG_212940	153 kDa	1	NR-44106
hypothetical protein	TGVEG_chrXI:4720681-4726145(+)	1478	TGVEG_315420	164 kDa	1	NR-44106
hypothetical protein	TGVEG_chrla:45623-51562(-)	1979	TGVEG_292950	211 kDa	1	NR-44106
hypothetical protein	TGVEG_chrX:6500246-6509344(+)	2286	TGVEG_214900	247 kDa	1	NR-44106
hypothetical protein	TGVEG_chrIV:1944986-1957183(-)	2539	TGVEG_211150	273 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVI:2045431-2061447(-)	3118	TGVEG_242435	331 kDa	1	NR-44106
hypothetical protein	TGVEG_chrla:134295-144472(-)	3263	TGVEG_293170	360 kDa	1	NR-44106
hypothetical protein	TGVEG_chrX:1346501-1365853(+)	3736	TGVEG_226660	390 kDa	1	NR-44106
hypothetical protein	TGVEG_chrlI:205421-222056(+)	4035	TGVEG_221280	438 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVIII:3114746-3133496(+)	3903	TGVEG_274000	438 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVI:1758329-1774422(-)	4533	TGVEG_241850	479 kDa	2	NR-44106
hypothetical protein	TGVEG_chrXII:2691762-2709179(+)	4885	TGVEG_246190	530 kDa	1	NR-44106
hypothetical protein	TGVEG_chrXII:6234636-6262269(-)	5632	TGVEG_278205	613 kDa	2	NR-44106
hypothetical protein	TGVEG_chrvIIa:1377068-1400940(+)	5847	TGVEG_205562	627 kDa	1	NR-44106
hypothetical protein	TGVEG_chrVIII:1412455-1416784(+)	571	TGVEG_231410	65 kDa	1	NR-44106
hypothetical protein	TGVEG_chrX:5686667-5692132(+)	715	TGVEG_237170	79 kDa	1	NR-44106
IMP dehydrogenasa	TGVEG_chrVIII:2431121-2436278(+)	551	TGVEG_233110	59 kDa	2	NR-20731
inner membrane complex protein IMC2A	TGVEG_chrX:411345-417155(-)	1596	TGVEG_228170	182 kDa	7	NR-20731
inner membrane complex protein IMC2A (IMC2A)	TGME49_chrX:520228-525722(-)	1491	TGME49_228170	171 kDa	4	NR-362
inorganic anion transporter, sulfate permease (SulP) family protein	TGVEG_chrVIII:2744263-2753515(+)	1497	TGVEG_233710	159 kDa	1	NR-20730
isocitrate dehydrogenase	TGVEG_chrXI:3144837-3150720(-)	621	TGVEG_313140	68 kDa	3	NR-223
isocitrate dehydrogenase	TGME49_chrXI:3132733-3138618(-)	621	TGME49_313140	68 kDa	2	NR-362
KH domain protein	TGVEG_chrVI:1685263-1689481(+)	1275	TGVEG_241170	140 kDa	2	NR-223
kinesin motor domain-containing protein	TGVEG_chrIV:769202-776061(+)	1317	TGVEG_319710	144 kDa	1	NR-20731
kinesin motor domain-containing protein	TGVEG_chrlb:190736-202568(+)	825	TGVEG_207665	93 kDa	1	NR-20731
KRUF family protein	TGVEG_chrIX:4771408-4775618(+)	843	TGVEG_210600	91 kDa	2	NR-20734
lactate dehydrogenase LDH1	TGVEG_chrVIII:2034710-2036237(+)	329	TGVEG_232350	36 kDa	9	NR-223

lactate dehydrogenase LDH1 (LDH1)	TGME49_chrVIII:2028207-2029734(+)	329	TGME49_232350	36 kDa	7	NR-362
lectin family protein	TGVEG_chrVIIb:3097012-3101086(+)	646	TGVEG_258950	70 kDa	3	NR-20731
leucine rich repeat-containing protein	TGVEG_chrV:2856417-2861968(-)	644	TGVEG_283860	72 kDa	1	NR-44106
leucyl aminopeptidase LAP	TGVEG_chrIX:3863611-3868736(+)	781	TGVEG_290670	83 kDa	3	NR-223
leucyl aminopeptidase LAP (LAP)	TGME49_chrIX:3829311-3834438(+)	781	TGME49_290670	83 kDa	3	NR-225
leucyl-tRNA synthetase	TGVEG_chrIX:4572486-4583981(+)	1261	TGVEG_292080	141 kDa	3	NR-20731
lipoyltransferase and lipoate-protein ligase subfamily protein	TGVEG_chrVIII:4351082-4356226(+)	476	TGVEG_271820	52 kDa	2	NR-223
Lon protease family protein	TGME49_chrXI:254701-267259(+)	1498	TGME49_308580	164 kDa	2	NR-362
longevity-assurance protein (LAG1) domain-containing protein	TGVEG_chrV:2974955-2978622(-)	342	TGVEG_283710	40 kDa	1	NR-20734
MAG1	TGVEG_chrVIII:5325460-5326928(+)	452	TGVEG_270240	49 kDa	5	NR-223
malate dehydrogenase MDH	TGVEG_chrIV:1350527-1354359(-)	511	TGVEG_318430	55 kDa	4	NR-20734
MCM2/3/5 family protein	TGME49_chrVIII:5226099-5238119(-)	1376	TGME49_270450	146 kDa	1	NR-225
membrane protein, putative	TGME49_chrX:2105013-2107255(-)	128	TGME49_225730	15 kDa	1	NR-225
methionyl-tRNA synthetase	TGVEG_chrIX:3192799-3197173(+)	976	TGVEG_289300	106 kDa	1	NR-20731
methyltransferase domain-containing protein	TGVEG_chrXI:6076354-6080369(-)	532	TGVEG_216560	59 kDa	1	NR-20731
MIC2-associated protein M2AP	TGVEG_chrX:6532620-6534805(+)	330	TGVEG_214940	35 kDa	2	NR-20731
MIC2-associated protein M2AP	TGME49_chrX:6604937-6607564(+)	330	TGME49_214940	35 kDa	2	NR-225
microneme protein MIC1 (MIC1)	TGME49_chrIX:4395345-4397688(-)	456	TGME49_291890	49 kDa	2	NR-225
microneme protein MIC10 (MIC10)	TGME49_chrXII:5143982-5144578(+)	198	TGME49_250710	23 kDa	12	NR-225
microneme protein MIC11 (MIC11)	TGME49_chrVIIa:1731514-1732656(-)	204	TGME49_204530	22 kDa	2	NR-362
microneme protein MIC2	TGVEG_chrVIIa:3881171-3884435(-)	769	TGVEG_201780	83 kDa	2	NR-20731
microneme protein MIC2 (MIC2)	TGME49_chrVIIa:3794121-3797385(-)	769	TGME49_201780	83 kDa	1	NR-225
microneme protein MIC3 (MIC3)	TGME49_chrIV:912578-913851(+)	383	TGME49_319560	41 kDa	1	NR-362
MIF4G domain-containing protein	TGVEG_chrIII:2056710-2072447(+)	3756	TGVEG_254940	385 kDa	1	NR-20730
MIF4G domain-containing protein	TGME49_chrIII:2047649-2063580(+)	3822	TGME49_254940	392 kDa	1	NR-225
mitotic checkpoint protein, BUB3 family protein	TGME49_chrXII:2289561-2294016(+)	332	TGME49_245470	37 kDa	2	NR-225
MSP (Major sperm protein) domain-containing protein	TGVEG_chrIV:1528118-1528837(+)	239	TGVEG_318160	26 kDa	1	NR-20731
Myb family DNA-binding domain-containing protein	TGME49_chrVIII:6836179-6844833(-)	2258	TGME49_200385	246 kDa	1	NR-362
myosin A	TGVEG_chrX:4799607-4805269(+)	831	TGVEG_235470	93 kDa	14	NR-223
myosin A	TGME49_chrX:4884161-4889835(+)	831	TGME49_235470	93 kDa	13	NR-362

myosin C	TGME49_chrVIIb:5017832-5025813(+)	1171	TGME49_255190	133 kDa	2	NR-225
myosin F	TGVEG_chrXII:5799662-5815227(+)	1953	TGVEG_278870	216 kDa	2	NR-20731
myosin F	TGME49_chrXII:5794929-5810468(+)	1953	TGME49_278870	216 kDa	1	NR-362
myosin G	TGVEG_chrXI:4302075-4321707(-)	2059	TGVEG_314780	227 kDa	2	NR-20730
myosin H	TGVEG_chrVI:2464608-2483173(-)	1513	TGVEG_243250	170 kDa	2	NR-223
myosin H	TGME49_chrVI:2462340-2480954(-)	1513	TGME49_243250	170 kDa	1	NR-225
myosin heavy chain, putative	TGME49_chrlb:636374-641145(+)	1124	TGME49_208370	125 kDa	1	NR-362
myosin J	TGVEG_chrVIIb:4047901-4058970(+)	2532	TGVEG_257470	274 kDa	2	NR-20734
myosin light chain MLC1	TGVEG_chrVIIb:3928516-3930816(+)	213	TGVEG_257680	24 kDa	3	NR-20731
NAC domain-containing protein	TGVEG_chrVIIa:1404556-1406339(+)	189	TGVEG_205558	21 kDa	2	NR-20731
NEK kinase	TGVEG_chrIX:2558938-2580773(-)	4925	TGVEG_288440	535 kDa	1	NR-44106
nmda receptor glutamate-binding chain	TGVEG_chrXI:734449-736235(+)	265	TGVEG_309560	29 kDa	4	NR-20731
nmda receptor glutamate-binding chain	TGME49_chrXI:725854-727812(+)	265	TGME49_309560	29 kDa	2	NR-225
NOL1/NOP2/sun family protein	TGVEG_chrXI:214937-217070(+)	613	TGVEG_306900	67 kDa	3	NR-20730
non-specific serine/threonine protein kinase	TGVEG_chrXI:3805561-3816180(+)	3401	TGVEG_313900	381 kDa	3	NR-20734
non-specific serine/threonine protein kinase	TGVEG_chrVIII:6498625-6534482(-)	8428	TGVEG_268370	904 kDa	2	NR-20734
Not1 amine-terminal domain, CCR4-NOT complex component	TGVEG_chrX:4415715-4425585(+)	1754	TGVEG_234640	184 kDa	1	NR-223
NTPase	TGVEG_chrXII:6715158-6716272(-)	372	TGVEG_440110	41 kDa	3	NR-20731
NTPase II	TGVEG_chrXII:6709277-6710425(-)	383	TGVEG_277270	42 kDa	3	NR-20734
nuclear factor NF3	TGVEG_chrVIIb:2283289-2287810(-)	311	TGVEG_260440	34 kDa	6	NR-20731
nuclear factor NF3	TGME49_chrVIIb:2268128-2272649(-)	311	TGME49_260440	34 kDa	2	NR-225
nuclear factor NF7	TGVEG_chrXII:4157915-4161960(+)	497	TGVEG_248810	54 kDa	3	NR-20731
nuclease and tudor domain-containing protein	TGVEG_chrVI:37524-46305(+)	941	TGVEG_238050	104 kDa	1	NR-20731
nucleolar protein,nop52 protein	TGVEG_chrX:2524984-2529025(+)	1095	TGVEG_224970	117 kDa	1	NR-223
nucleolar protein,nop52 protein	TGME49_chrX:2623855-2627893(+)	1094	TGME49_224970	117 kDa	1	NR-225
nucleoporin autopeptidase	TGVEG_chrVIIb:2752565-2764560(-)	2894	TGVEG_259640	302 kDa	1	NR-20730
nucleoredoxin family protein	TGVEG_chrX:2448138-2452857(+)	416	TGVEG_225060	45 kDa	1	NR-20731
nucleoside-triphosphatase	KI545800:208-1320(+)	370	TGVEG_360830	41 kDa	19	NR-20731
nucleosome assembly protein (nap) protein	TGVEG_chrVI:3033297-3038877(+)	433	TGVEG_244110	49 kDa	4	NR-20731
nucleosome assembly protein (nap) protein	TGVEG_chrVIIb:4558311-4562015(+)	812	TGVEG_256060	89 kDa	1	NR-223

nudix -type motif 9 isoform a family protein	TGME49_chrXII:3176609-3179568(-)	546	TGME49_247220	61 kDa	2	NR-225
origin recognition complex subunit 2 protein	TGVEG_chrXII:2353721-2362397(-)	884	TGVEG_245570	95 kDa	1	NR-223
Oxysterol-binding protein	TGVEG_chrIa:804678-809387(+)	931	TGVEG_294320	103 kDa	2	NR-20730
patched family protein	TGVEG_chrIV:284913-293877(+)	1705	TGVEG_320500	190 kDa	1	NR-20730
patched family protein	TGVEG_chrV:2353943-2363998(-)	1933	TGVEG_285470	212 kDa	1	NR-20734
patched family protein	TGME49_chrIV:295448-304405(+)	1705	TGME49_320500	190 kDa	1	NR-225
PCI domain-containing protein	TGVEG_chrVIII:3428815-3436101(+)	601	TGVEG_273520	67 kDa	2	NR-20730
PDI family protein	TGVEG_chrVIII:2087641-2089378(-)	220	TGVEG_232410	25 kDa	6	NR-223
PDI family protein	TGME49_chrVIII:2079700-2081437(-)	220	TGME49_232410	25 kDa	6	NR-362
pentatricopeptide repeat domain-containing protein	TGME49_chrVI:2694606-2700641(+)	1419	TGME49_243530	157 kDa	1	NR-225
pentatricopeptide repeat domain-containing protein	TGVEG_chrVI:2698485-2704514(+)	1422	TGVEG_243530	157 kDa	1	NR-44106
PEP-carboxykinase I	TGVEG_chrIX:3399221-3402416(+)	677	TGVEG_289650	75 kDa	3	NR-20731
PEP-carboxykinase I	TGME49_chrIX:3365112-3368307(+)	677	TGME49_289650	75 kDa	3	NR-225
peptidase family c50 protein	TGVEG_chrVIIb:992145-1016567(+)	6890	TGVEG_262825	744 kDa	1	NR-20734
peptidase M16 inactive domain-containing protein	TGVEG_chrIII:1281442-1290850(-)	1604	TGVEG_253890	176 kDa	1	NR-20734
peptidase M16, alpha subunit, putative	TGME49_chrVIIa:3108389-3114699(-)	563	TGME49_202680	62 kDa	2	NR-362
peptidyl-prolyl cis-trans isomerase	TGVEG_chrVI:1744740-1747216(-)	575	TGVEG_241830	64 kDa	1	NR-20734
peptidyl-prolyl cis-trans isomerase	TGME49_chrV:2913986-2921224(-)	503	TGME49_283850	56 kDa	2	NR-225
peroxiredoxin 6, putative	TGME49_chrXI:558298-561176(-)	402	TGME49_309210	44 kDa	3	NR-362
peroxiredoxin PRX3	TGVEG_chrVIII:763292-765390(-)	283	TGVEG_230410	31 kDa	4	NR-20731
peroxiredoxin PRX3 (PRX3)	TGME49_chrVIII:757258-759362(-)	283	TGME49_230410	31 kDa	2	NR-362
PHD-finger domain-containing protein	TGVEG_chrX:4443613-4460389(+)	4647	TGVEG_234900	479 kDa	1	NR-20731
PHD-finger domain-containing protein	TGME49_chrIX:4029731-4034042(+)	527	TGME49_291000	57 kDa	1	NR-362
phosphate carrier, putative	TGME49_chrXII:5706616-5710057(-)	479	TGME49_278990	53 kDa	2	NR-362
phosphatidylinositol 3- and 4-kinase	TGME49_chrX:195964-226772(+)	6780	TGME49_228690	734 kDa	2	NR-362
phosphatidylinositol 3- and 4-kinase	TGVEG_chrIX:1379807-1416675(+)	8859	TGVEG_266010	962 kDa	1	NR-44106
phosphofructokinase PFKII	TGVEG_chrX:1077812-1088184(-)	1225	TGVEG_226960	131 kDa	8	NR-223
phosphofructokinase PFKII (PFKII)	TGME49_chrX:1186437-1197681(-)	1225	TGME49_226960	131 kDa	3	NR-362
phosphoglycerate kinase PGKI	TGVEG_chrIV:1482280-1485236(+)	418	TGVEG_318230	45 kDa	2	NR-223
phosphoglycerate kinase PGKI (PGKI)	TGME49_chrIV:1472986-1475939(+)	417	TGME49_318230	45 kDa	2	NR-362
phosphoglycerate mutase family protein	TGVEG_chrIV:1498944-1509254(-)	1971	TGVEG_318190	209 kDa	1	NR-20730

phosphoglycerate mutase PGMII	TGVEG_chrII:1519703-1523584(-)	339	TGVEG_297060	38 kDa	2	NR-20731
phosphoglycerate mutase PGMII (PGMII)	TGME49_chrII:1510431-1514312(-)	339	TGME49_297060	38 kDa	2	NR-362
phospholipase, patatin family protein	TGVEG_chrIX:5268276-5279505(+)	2579	TGVEG_305140	277 kDa	1	NR-20730
phospholipase, patatin family protein	TGME49_chrVIII:1377012-1386339(-)	2904	TGME49_231370	315 kDa	1	NR-362
phosphoribosylpyrophosphate synthetase	TGVEG_chrV:46448-49210(+)	557	TGVEG_220100	61 kDa	1	NR-223
phosphorylase family protein	TGVEG_chrXI:1509271-1512371(-)	303	TGVEG_310640	33 kDa	4	NR-20731
phosphorylase family protein	TGME49_chrXI:1497307-1500407(-)	303	TGME49_310640	33 kDa	2	NR-225
phosphotransferase enzyme family protein	TGVEG_chrIV:176562-181978(+)	630	TGVEG_320630	69 kDa	2	NR-20731
plasma membrane-type Ca(2+)-ATPase A1 PMCAA1	TGVEG_chrXI:2437255-2443531(+)	1822	TGVEG_312100	199 kDa	2	NR-20734
PLU-1 family protein	TGVEG_chrIII:1153957-1182056(-)	8088	TGVEG_253750	856 kDa	2	NR-223
poly(ADP-ribose) glycohydrolase	TGME49_chrVIIa:487434-489728(+)	553	TGME49_280380	62 kDa	2	NR-225
poly(ADP-ribose) polymerase catalytic domain-containing protein	TGVEG_chrVIII:4962683-4979138(+)	1012	TGVEG_270840	113 kDa	1	NR-20731
polynucleotide adenylyltransferase	TGVEG_chrXII:6190090-6201789(-)	2477	TGVEG_278260	269 kDa	1	NR-20730
profilin PRF	TGVEG_chrIa:520372-521713(-)	165	TGVEG_293690	18 kDa	1	NR-223
prolyl-tRNA synthetase (ProRS)	TGVEG_chrXII:562318-571308(-)	830	TGVEG_219850	93 kDa	3	NR-20731
protamine P1 protein	TGVEG_chrVI:2488144-2497445(-)	2719	TGVEG_243265	294 kDa	1	NR-223
protease inhibitor PI2 (PI2)	TGME49_chrb:712174-715146(-)	318	TGME49_208450	35 kDa	2	NR-225
Proteasome/cyclosome repeat-containing protein	TGVEG_chrVIIb:840075-852112(-)	988	TGVEG_263060B	107 kDa	2	NR-20731
protein disulfide isomerase	TGVEG_chrIV:1650648-1652472(+)	471	TGVEG_211680	53 kDa	21	NR-20731
protein disulfide isomerase	TGME49_chrIV:1626551-1628375(+)	471	TGME49_211680	53 kDa	15	NR-362
protein disulfide isomerase-related protein (provisional), putative	TGME49_chrXII:4417115-4422515(+)	547	TGME49_249270	60 kDa	3	NR-362
protein disulfide-isomerase domain-containing protein	TGME49_chrVI:19374-28466(-)	1378	TGME49_238040	153 kDa	1	NR-362
protein phosphatase 2C domain-containing protein	TGVEG_chrVIII:5290235-5295653(+)	538	TGVEG_270320	59 kDa	6	NR-20731
protein phosphatase 2C domain-containing protein	TGVEG_chrVIII:2025586-2030454(-)	547	TGVEG_232340	60 kDa	3	NR-20731
protein phosphatase 2C domain-containing protein	TGVEG_chrVIII:1756683-1769591(+)	4071	TGVEG_232010	441 kDa	1	NR-223
protein phosphatase 2C domain-containing protein	TGME49_chrVIII:5276555-5282525(+)	538	TGME49_270320	59 kDa	13	NR-225

protein phosphatase PP2C-hn	TGVEG_chrVIIa:4453479-4458257(-)	478	TGVEG_282055	52 kDa	1	NR-44106
protein phosphatase PP2C-hn (PP2CHN)	TGME49_chrVIIa:4358629-4363407(-)	479	TGME49_282055	52 kDa	1	NR-225
Prp31-15.5k-U4 Snrna Complex family protein	TGVEG_chrX:5361008-5362868(-)	182	TGVEG_236580	20 kDa	4	NR-20731
Prp31-15.5k-U4 Snrna Complex family protein	TGME49_chrX:5435939-5437797(-)	182	TGME49_236580	20 kDa	2	NR-225
PST-A-like protein	TGVEG_chrX:1558330-1561329(+)	999	TGVEG_226390	108 kDa	1	NR-223
Pumilio-family RNA binding repeat-containing protein	TGVEG_chrIV:1400671-1410422(-)	1913	TGVEG_318350	203 kDa	1	NR-20731
putative 26S protease regulatory subunit 4	TGVEG_chrIX:816072-821572(+)	441	TGVEG_267080	49 kDa	2	NR-20731
putative 50S ribosomal protein L3	TGVEG_chrVI:2669184-2672963(-)	569	TGVEG_243480	62 kDa	1	NR-20730
putative ABC transporter	TGVEG_chrIb:554935-570626(+)	1928	TGVEG_208050B	205 kDa	1	NR-44106
putative Acetyl-coenzyme A synthetase 2	TGVEG_chrIX:1079549-1088136(+)	714	TGVEG_266640	80 kDa	3	NR-223
putative activating signal cointegrator 1 complex subunit 3 family 1 ASCC3L1	TGVEG_chrX:3770588-3787615(+)	2207	TGVEG_223390	248 kDa	3	NR-20731
putative adenine nucleotide translocator	TGVEG_chrXII:4912658-4913614(+)	318	TGVEG_249900	35 kDa	8	NR-20730
putative adenosylhomocysteinase	TGVEG_chrX:2455072-2457477(-)	588	TGVEG_225050	64 kDa	4	NR-20731
putative adenylate cyclase	TGVEG_chrVIII:4937283-4954670(-)	2040	TGVEG_270865	223 kDa	2	NR-20730
putative adenylate kinase	TGVEG_chrX:2602085-2604719(+)	257	TGVEG_224900	29 kDa	3	NR-223
putative alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen	TGVEG_chrXII:2177093-2177683(-)	196	TGVEG_217890	22 kDa	3	NR-223
putative aminopeptidase n	TGVEG_chrX:2954743-2962685(+)	970	TGVEG_224460	109 kDa	5	NR-20731
putative aminopeptidase N	TGVEG_chrX:2964121-2973451(-)	1419	TGVEG_224350	157 kDa	3	NR-20731
putative asparagine synthetase	TGVEG_chrIII:951737-957963(+)	588	TGVEG_253430	66 kDa	2	NR-20731
putative ATP synthase	TGVEG_chrX:1772072-1774183(-)	183	TGVEG_226000	19 kDa	3	NR-223
putative ATPase synthase subunit alpha	TGVEG_chrVIIa:1897696-1905110(+)	577	TGVEG_204400	62 kDa	19	NR-20731
putative ATP-binding surface antigen	TGVEG_chrIX:2911675-2922678(-)	3519	TGVEG_288960	385 kDa	2	NR-20730
putative beta adaptin protein	TGVEG_chrVI:1502152-1515600(+)	924	TGVEG_240870	102 kDa	1	NR-20731
putative beta-tubulin	TGVEG_chrII:492805-495142(-)	449	TGVEG_221620	50 kDa	2	NR-44106
putative calcium binding protein precursor	TGVEG_chrVIII:298762-301306(-)	335	TGVEG_229480	38 kDa	5	NR-44106
putative calmodulin	TGVEG_chrIX:5241261-5241662(+)	133	TGVEG_305050	15 kDa	2	NR-223
putative chaperonin cpn60	TGVEG_chrVI:1350758-1354337(+)	667	TGVEG_240600	72 kDa	3	NR-20731
putative Chromosome-associated kinesin KLP1	TGVEG_chrII:337136-345913(+)	928	TGVEG_221420	104 kDa	6	NR-20730
putative clathrin heavy chain	TGVEG_chrIX:3996894-4009089(-)	1731	TGVEG_290950	194 kDa	3	NR-20730
putative COPI associated protein	TGVEG_chrVIIb:2215338-2218163(+)	270	TGVEG_260500	30 kDa	1	NR-20730

putative cyclase-associated protein	TGVEG_chrXI:1023611-1024556(-)	203	TGVEG_310030	22 kDa	4	NR-20731
putative cytochrome c	TGVEG_chrXII:634403-635394(-)	115	TGVEG_219750	12 kDa	2	NR-223
putative dense granule protein GRA12	TGVEG_chrIII:190520-192698(+)	383	TGVEG_275860	43 kDa	2	NR-44106
putative DNA ligase (NAD+)	TGVEG_chrXI:4448725-4458061(-)	1975	TGVEG_314955	209 kDa	1	NR-223
putative DnaJ family chaperone	TGVEG_chrXI:1915273-1920287(-)	426	TGVEG_311240	47 kDa	1	NR-20731
putative DnaJ protein	TGVEG_chrVIIb:3458874-3460460(-)	397	TGVEG_258390	45 kDa	2	NR-20731
putative duplicated carbonic anhydrase	TGVEG_chrII:1525801-1527662(-)	519	TGVEG_297070	58 kDa	1	NR-44106
putative dynein heavy chain 2	TGVEG_chrXII:4825848-4874885(+)	4140	TGVEG_249840	471 kDa	1	NR-20734
putative elongation factor 1-alpha (EF-1-ALPHA)	TGVEG_chrla:1156790-1158410(-)	448	TGVEG_294800	49 kDa	10	NR-44106
putative elongation factor 1-gamma	TGVEG_chrXII:176566-179166(+)	394	TGVEG_300140	44 kDa	1	NR-223
putative elongation factor Tu	TGVEG_chrVIIb:1326322-1329983(-)	552	TGVEG_262380	60 kDa	2	NR-223
putative eukaryotic initiation factor-1A	TGVEG_chrVIIb:1067700-1071695(-)	159	TGVEG_262720	18 kDa	2	NR-20731
putative eukaryotic initiation factor-2 gamma	TGVEG_chrX:5130512-5136786(+)	465	TGVEG_235970	51 kDa	2	NR-20731
putative eukaryotic initiation factor-3, subunit 3	TGVEG_chrXII:5422858-5425666(+)	600	TGVEG_251500	66 kDa	1	NR-20731
putative eukaryotic initiation factor-3, subunit 8	TGVEG_chrla:1013425-1020262(-)	971	TGVEG_294620	109 kDa	3	NR-20731
putative eukaryotic initiation factor-4A	TGVEG_chrXII:5172836-5174873(-)	412	TGVEG_250770	47 kDa	5	NR-44106
putative eukaryotic initiation factor-4E	TGVEG_chrXI:4542788-4547858(+)	455	TGVEG_315150	50 kDa	1	NR-20734
putative eukaryotic porin	TGVEG_chrXII:1601555-1606742(+)	466	TGVEG_218280	51 kDa	1	NR-223
putative eukaryotic translation initiation factor 2B	TGVEG_chrXI:3086188-3093160(+)	724	TGVEG_313060	79 kDa	1	NR-20731
putative eukaryotic translation initiation factor 3 subunit 7	TGVEG_chrIV:2692252-2695526(+)	288	TGVEG_317720B	32 kDa	3	NR-20731
putative eukaryotic translation initiation factor 4A, isoform 3	TGVEG_chrVIIb:4493401-4496420(+)	395	TGVEG_256770	45 kDa	2	NR-20731
putative gamma-glutamyl phosphate reductase	TGVEG_chrVIII:5208117-5210261(+)	502	TGVEG_270550	54 kDa	2	NR-20731
putative glutamic acid-rcih protein	TGVEG_chrlb:1513294-1536325(+)	4436	TGVEG_209880	478 kDa	1	NR-44106
putative glycogen synthase	TGVEG_chrII:1219111-1251256(-)	3004	TGVEG_222800	325 kDa	1	NR-20734
putative glyoxalase	TGVEG_chrVIIa:1666916-1693063(+)	4813	TGVEG_205130	518 kDa	1	NR-20730
putative heat shock protein 90	TGVEG_chrVI:3363319-3366953(+)	847	TGVEG_244560	97 kDa	35	NR-20731
putative histone lysine methyltransferase, SET	TGVEG_chrla:1696226-1717114(-)	5175	TGVEG_295610	558 kDa	1	NR-20731

putative histone lysine methyltransferase, SET	TGVEG_chrVIIa:4028130-4035203(+)	1635	TGVEG_201250	178 kDa	1	NR-20734
putative importin alpha	TGVEG_chrIII:471888-481163(+)	545	TGVEG_252290	59 kDa	2	NR-223
putative intraflagellar transport component IFT74/72 protein	TGVEG_chrXII:5121660-5125728(-)	606	TGVEG_250720	70 kDa	2	NR-20730
putative kelch motif protein	TGVEG_chrIV:1017742-1019670(+)	481	TGVEG_319340	52 kDa	1	NR-20731
putative lysophospholipase	TGVEG_chrV:1730367-1733234(-)	955	TGVEG_286580	107 kDa	4	NR-44106
putative mandelonitrile lyase	TGVEG_chrIII:756069-764038(-)	796	TGVEG_253120	88 kDa	2	NR-223
putative membrane protein	TGVEG_chrX:2005458-2007700(-)	128	TGVEG_225730	15 kDa	2	NR-223
putative membrane protein	TGVEG_chrIb:1887600-1903000(+)	3817	TGVEG_321340	418 kDa	1	NR-44106
putative microtubule-binding protein	TGVEG_chrXII:4948353-4953132(-)	838	TGVEG_249990	93 kDa	6	NR-20731
putative myosin heavy chain	TGVEG_chrIb:634619-639390(+)	1124	TGVEG_208370	125 kDa	4	NR-20731
putative myosin heavy chain	TGVEG_chrXI:1361257-1375922(+)	1301	TGVEG_310450	148 kDa	2	NR-44106
putative myosin regulatory light chain	TGVEG_chrXI:5002128-5004882(+)	206	TGVEG_315780	23 kDa	1	NR-20730
putative nucleolar protein	TGVEG_chrXII:3330211-3334500(+)	536	TGVEG_247470	60 kDa	3	NR-20731
putative nucleolar protein 5	TGVEG_chrVIIa:1430944-1435059(-)	490	TGVEG_205510	54 kDa	5	NR-20731
putative omega secalin	TGVEG_chrVIII:1677226-1680480(-)	1084	TGVEG_231960B	115 kDa	2	NR-20730
putative peptidase M16, alpha subunit	TGVEG_chrVIIa:3195846-3202118(-)	563	TGVEG_202680	62 kDa	5	NR-20731
putative peroxiredoxin 6	TGVEG_chrXI:567489-570367(-)	402	TGVEG_309210	44 kDa	2	NR-223
putative phosphate carrier	TGVEG_chrXII:5712339-5715780(-)	479	TGVEG_278990	53 kDa	5	NR-223
putative polyadenylate binding protein	TGVEG_chrX:2677455-2679764(+)	769	TGVEG_224850	83 kDa	3	NR-20731
putative Ppg3	TGVEG_chrV:573073-575444(-)	671	TGVEG_212800	73 kDa	1	NR-44106
putative preprotein translocase Sec61	TGVEG_chrVIII:5497430-5501976(-)	473	TGVEG_269980	52 kDa	1	NR-223
putative proliferation-associated protein 2G4	TGVEG_chrIX:235846-240462(-)	462	TGVEG_279390	50 kDa	6	NR-20731
putative protein disulfide isomerase-related protein (provisional)	TGVEG_chrXII:4391599-4396993(+)	547	TGVEG_249270	60 kDa	5	NR-20731
putative pyruvate dehydrogenase E1 component, beta subunit	TGVEG_chrXI:4077545-4081183(+)	423	TGVEG_314400	46 kDa	2	NR-223
putative rhoptry protein	TGVEG_chrXI:4594136-4601478(-)	1010	TGVEG_315210	116 kDa	3	NR-20734
putative ribosomal protein S11	TGVEG_chrVIII:1252717-1254813(+)	393	TGVEG_231120	43 kDa	1	NR-20734
putative small GTPase Rab2	TGVEG_chrXI:2408541-2413023(+)	214	TGVEG_312050	24 kDa	2	NR-44106
putative sortilin	TGVEG_chrIX:3637455-3647171(-)	1033	TGVEG_290160	114 kDa	2	NR-20731
putative splicing factor 3b, subunit 3	TGVEG_chrVIII:1143763-1154839(-)	1233	TGVEG_230960	136 kDa	2	NR-20731
putative succinate-Coenzyme A ligase, beta subunit	TGVEG_chrXI:795855-799078(+)	498	TGVEG_309752	53 kDa	2	NR-20730



putative target of rapamycin (TOR)	TGVEG_chrXI:5306482-5330914(+)	4922	TGVEG_316430	544 kDa	2	NR-20734
putative Tbc domain,related protein	TGVEG_chrII:589493-601267(-)	3378	TGVEG_221720	364 kDa	1	NR-44106
putative T-complex protein 1, epsilon subunit (TCP-1-epsilon)	TGVEG_chrVIIa:3473308-3479226(+)	536	TGVEG_202370	59 kDa	1	NR-223
putative thioredoxin	TGVEG_chrX:3262479-3264347(-)	622	TGVEG_224060	69 kDa	2	NR-44106
putative translation elongation factor 2 family protein	TGVEG_chrVIIa:1455814-1459480(+)	832	TGVEG_205470	93 kDa	13	NR-20731
putative translation initiation factor eIF-5A	TGVEG_chrXII:5591060-5591545(-)	161	TGVEG_251810	17 kDa	5	NR-20731
putative translation initiation factor IF-2	TGVEG_chrX:6121728-6132069(-)	1140	TGVEG_214270	126 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrXI:2614451-2629521(-)	1892	TGVEG_312330	208 kDa	1	NR-20730
putative transmembrane protein	TGVEG_chrVIIa:4201708-4217249(+)	3668	TGVEG_281440	390 kDa	1	NR-20730
putative transmembrane protein	TGVEG_chrII:1973207-1989926(-)	3864	TGVEG_297745	413 kDa	1	NR-20730
putative transmembrane protein	TGVEG_chrVIIb:1773648-1777639(-)	1072	TGVEG_261430	117 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrVIII:4014842-4020677(-)	1257	TGVEG_272390	132 kDa	3	NR-20731
putative transmembrane protein	TGVEG_chrVIII:727691-739685(-)	1254	TGVEG_230350	139 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrIa:375668-393288(+)	1771	TGVEG_293500	195 kDa	2	NR-20731
putative transmembrane protein	TGVEG_chrVIIa:1513395-1529483(+)	2607	TGVEG_205360	293 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrIX:332251-345489(+)	3661	TGVEG_267855	392 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrVIII:6301541-6303370(-)	609	TGVEG_268800	67 kDa	1	NR-20731
putative transmembrane protein	TGVEG_chrX:3842599-3847752(+)	683	TGVEG_212300	76 kDa	2	NR-20731
putative transmembrane protein	TGVEG_chrVIII:5695205-5697802(+)	865	TGVEG_269690	94 kDa	3	NR-20731
putative transmembrane protein	TGVEG_chrIX:473436-483831(+)	1921	TGVEG_267690	211 kDa	1	NR-20734
putative transmembrane protein	TGVEG_chrX:5757322-5764645(-)	2088	TGVEG_237290	223 kDa	2	NR-20734
putative transmembrane protein	TGVEG_chrV:482753-500456(+)	4703	TGVEG_287480	503 kDa	1	NR-20734
putative transmembrane protein	TGVEG_chrVIIa:1704934-1709182(-)	556	TGVEG_205100	60 kDa	1	NR-20734
putative transmembrane protein	TGVEG_chrVIIb:3131775-3136457(-)	916	TGVEG_258870	102 kDa	5	NR-223
putative transmembrane protein	TGVEG_chrVIIb:3331717-3338300(+)	1292	TGVEG_258590	141 kDa	1	NR-223
putative transmembrane protein	TGVEG_chrVIII:2521122-2527161(-)	1476	TGVEG_233220	160 kDa	1	NR-223
putative transmembrane protein	TGVEG_chrXI:6489416-6490048(+)	210	TGVEG_215980	24 kDa	4	NR-223
putative transmembrane protein	TGVEG_chrVIII:475416-477390(-)	307	TGVEG_229920	35 kDa	2	NR-223
putative transmembrane protein	TGVEG_chrX:1568048-1569184(+)	378	TGVEG_226380	43 kDa	2	NR-223
putative transmembrane protein	TGVEG_chrXI:1892805-1912140(+)	4690	TGVEG_311230	505 kDa	1	NR-223
putative transmembrane protein	TGVEG_chrX:6208273-6209745(+)	490	TGVEG_363940	52 kDa	1	NR-223
putative transmembrane protein	TGVEG_chrXII:341835-344783(-)	545	TGVEG_299780	59 kDa	2	NR-223
putative transmembrane protein	TGVEG_chrII:1140240-1141970(+)	576	TGVEG_222420	63 kDa	2	NR-223
putative transmembrane protein	TGVEG_chrXI:6202785-6232703(-)	7450	TGVEG_216335	820 kDa	1	NR-223

putative transmembrane protein	TGVEG_chrIX:3061054-3065890(-)	1002	TGVEG_289150	111 kDa	2	NR-44106
putative transmembrane protein	TGVEG_chrIb:1637561-1639849(-)	332	TGVEG_321710	36 kDa	2	NR-44106
putative transmembrane protein	TGVEG_chrVIII:6693845-6707160(+)	3484	TGVEG_268035	378 kDa	2	NR-44106
putative transmembrane protein	TGVEG_chrII:90012-91657(+)	390	TGVEG_279100B	43 kDa	9	NR-44106
putative transmembrane protein	TGVEG_chrVIIa:2208400-2211590(+)	566	TGVEG_203930	61 kDa	2	NR-44106
putative transmembrane protein	TGVEG_chrXI:5032084-5034535(+)	563	TGVEG_315820	61 kDa	2	NR-44106
putative transmembrane protein	TGVEG_chrVIII:6309311-6333988(-)	7354	TGVEG_268780	776 kDa	3	NR-44106
putative transmembrane protein	TGVEG_chrIII:1767450-1771629(+)	732	TGVEG_254470	80 kDa	4	NR-44106
putative transmembrane protein	TGVEG_chrVIIa:1952069-1956562(-)	877	TGVEG_204340	97 kDa	2	NR-44106
putative trichohyalin	TGVEG_chrVI:2228978-2242517(+)	3900	TGVEG_242750	445 kDa	1	NR-20731
putative trigger factor protein	TGVEG_chrXI:5987618-5996835(-)	1031	TGVEG_216630	113 kDa	1	NR-20730
putative tRNA synthetase	TGVEG_chrXI:6100379-6110788(-)	2557	TGVEG_216500	281 kDa	1	NR-20730
putative tryptophan-rich antigen, related protein	TGVEG_chrIb:1428720-1432808(+)	1362	TGVEG_209755	150 kDa	1	NR-223
putative type I fatty acid synthase	TGVEG_chrIa:1169880-1205921(+)	10021	TGVEG_294820	1093 kDa	2	NR-44106
putative U2 small nuclear ribonucleoprotein family protein	TGVEG_chrVIIa:1742756-1751194(-)	1386	TGVEG_205010	151 kDa	2	NR-20731
putative ubiquinol cytochrome c oxidoreductase	TGVEG_chrIV:421333-424813(-)	487	TGVEG_320220	55 kDa	2	NR-20731
putative vacuolar ATP synthase subunit b	TGVEG_chrXII:608121-610855(+)	505	TGVEG_219800	57 kDa	1	NR-223
putative vacuolar protein sorting-associated protein	TGVEG_chrIV:2145856-2178740(+)	8650	TGVEG_210700	927 kDa	2	NR-20730
putative WDSUB1 family SAM domain protein	TGVEG_chrIX:3684919-3696351(-)	1912	TGVEG_290225	207 kDa	1	NR-20730
putative zinc finger protein	TGVEG_chrXII:2657218-2662418(+)	993	TGVEG_246160	105 kDa	2	NR-20730
putative zinc finger protein	TGVEG_chrIX:4929208-4939468(+)	2469	TGVEG_210300	260 kDa	2	NR-20731
PWI domain-containing protein	TGVEG_chrXI:1850551-1854938(+)	315	TGVEG_311160	36 kDa	1	NR-223
pyridine nucleotide-disulfide oxidoreductase domain-containing protein	TGVEG_chrIb:152672-160296(-)	664	TGVEG_207620	71 kDa	2	NR-20731
pyridine nucleotide-disulfide oxidoreductase domain-containing protein	TGME49_chrIb:155910-163530(-)	664	TGME49_207620	71 kDa	4	NR-225
pyruvate dehydrogenase complex subunit PDH-E3II	TGVEG_chrVIIa:1003938-1010522(+)	519	TGVEG_206470	55 kDa	3	NR-223
pyruvate dehydrogenase complex subunit PDH-E3II (PDHE3II)	TGME49_chrVIIa:947003-953655(+)	519	TGME49_206470	55 kDa	2	NR-362

pyruvate dehydrogenase E1 component, beta subunit, putative	TGME49_chrXI:4061396-4065036(+)	423	TGME49_314400	46 kDa	3	NR-225
Rab18/RabC-family small GTPase	TGVEG_chrXI:3175019-3178805(+)	212	TGVEG_313190	23 kDa	4	NR-20731
Rab6	TGME49_chrXI:1368279-1373252(+)	209	TGME49_310460	23 kDa	2	NR-225
RAP domain-containing protein	TGVEG_chrX:5641347-5647756(-)	1669	TGVEG_237100	182 kDa	1	NR-20730
RAP domain-containing protein	TGVEG_chrVIII:1860908-1865683(-)	1591	TGVEG_232100	176 kDa	1	NR-20731
RAP domain-containing protein	TGVEG_chrX:4043396-4062507(-)	5107	TGVEG_211890	558 kDa	1	NR-223
Ras-related protein Rab11	TGVEG_chrIX:3407739-3411067(-)	219	TGVEG_289680	25 kDa	2	NR-20731
RAVE 1 carboxy-terminal protein	TGVEG_chrVIII:512826-536532(-)	6665	TGVEG_230000	690 kDa	2	NR-44106
RbAp46	TGME49_chrXII:3194434-3201814(-)	665	TGME49_247250	71 kDa	1	NR-362
RecF/RecN/SMC N terminal domain-containing protein	TGVEG_chrXI:673381-686571(-)	2097	TGVEG_309400	231 kDa	1	NR-20730
RecF/RecN/SMC N terminal domain-containing protein	TGVEG_chrVIIb:4174404-4191407(-)	1588	TGVEG_257180	181 kDa	1	NR-20731
RED family protein	TGVEG_chrXII:4459363-4466464(+)	586	TGVEG_249360	67 kDa	1	NR-223
RED family protein	TGME49_chrXII:4484874-4491969(+)	586	TGME49_249360	67 kDa	1	NR-362
redoxin domain-containing protein	TGVEG_chrV:1708283-1709161(+)	292	TGVEG_286630	31 kDa	3	NR-223
regulator of chromosome condensation (RCC1) repeat-containing protein	TGVEG_chrVI:852264-873025(+)	2900	TGVEG_239700	317 kDa	1	NR-20730
replication factor-a protein 1 (rpa1) subfamily protein	TGVEG_chrX:5189370-5198388(-)	914	TGVEG_236080	100 kDa	1	NR-20731
rhoptry kinase family protein ROP11 (incomplete catalytic triad)	TGVEG_chrX:695405-696985(+)	526	TGVEG_227810	58 kDa	4	NR-20731
rhoptry kinase family protein ROP24 (incomplete catalytic triad)	TGVEG_chrIII:515772-517379(+)	535	TGVEG_252360	61 kDa	3	NR-44106
rhoptry kinase family protein ROP24 (incomplete catalytic triad) (ROP24)	TGME49_chrIII:512499-514106(+)	535	TGME49_252360	61 kDa	3	NR-362
rhoptry kinase family protein ROP26 (incomplete catalytic triad) (ROP26)	TGME49_chrIV:1886967-1888705(-)	435	TGME49_211260	48 kDa	2	NR-225
rhoptry kinase family protein ROP34, putative	TGME49_chrVI:1057698-1060095(+)	553	TGME49_240090	62 kDa	4	NR-225
rhoptry kinase family protein ROP35	TGVEG_chrVIIa:734547-737482(-)	603	TGVEG_304740	67 kDa	2	NR-223
rhoptry kinase family protein ROP35 (ROP35)	TGME49_chrVIIa:679378-682673(-)	640	TGME49_304740	71 kDa	1	NR-225
rhoptry kinase family protein ROP39	TGVEG_chrVIIb:1421262-1423028(+)	588	TGVEG_262050	65 kDa	4	NR-20731

rhoptry kinase family protein ROP39 (ROP39)	TGME49_chrVIIb:1407193-1408959(+)	588	TGME49_262050	65 kDa	2	NR-225
rhoptry kinase family protein ROP40 (incomplete catalytic triad)	TGVEG_chrIX:4470853-4473887(+)	525	TGVEG_291960	58 kDa	4	NR-20731
rhoptry kinase family protein ROP40 (incomplete catalytic triad) (ROP40)	TGME49_chrIX:4435031-4438065(+)	525	TGME49_291960	58 kDa	5	NR-362
rhoptry metalloprotease toxolysin TLN1	TGVEG_chrVIII:5577314-5584090(+)	1363	TGVEG_269885A	150 kDa	1	NR-20731
rhoptry metalloprotease toxolysin TLN1 (TLN1)	TGME49_chrVIII:5564529-5572655(+)	1645	TGME49_269885	182 kDa	3	NR-362
rhoptry neck protein RON10	TGVEG_chrVIIb:1561753-1566511(-)	834	TGVEG_261750	91 kDa	2	NR-20734
rhoptry neck protein RON2	TGVEG_chrXII:205410-215917(-)	1479	TGVEG_300100	166 kDa	8	NR-20731
rhoptry neck protein RON2 (RON2)	TGME49_chrXII:214954-225453(-)	1479	TGME49_300100	166 kDa	4	NR-362
rhoptry neck protein RON3	TGVEG_chrX:3356952-3367628(+)	1958	TGVEG_223920	223 kDa	5	NR-20731
rhoptry neck protein RON3 (RON3)	TGME49_chrX:3453595-3464270(+)	1958	TGME49_223920	223 kDa	2	NR-362
rhoptry neck protein RON4	TGVEG_chrVIII:23092-29819(+)	984	TGVEG_229010	107 kDa	4	NR-20731
rhoptry neck protein RON4 (RON4)	TGME49_chrVIII:20265-27490(+)	984	TGME49_229010	107 kDa	4	NR-225
rhoptry neck protein RON5	TGVEG_chrXI:2095996-2115723(-)	1702	TGVEG_311470	187 kDa	13	NR-20731
rhoptry neck protein RON5 (RON5)	TGME49_chrXI:2084486-2104219(-)	1702	TGME49_311470	187 kDa	5	NR-362
rhoptry neck protein RON6	TGVEG_chrII:2147371-2153156(-)	1738	TGVEG_297960A	181 kDa	11	NR-20730
rhoptry neck protein RON8	TGVEG_chrIX:5817900-5832186(-)	2980	TGVEG_306060	329 kDa	8	NR-20731
rhoptry neck protein RON8 (RON8)	TGME49_chrIX:5780561-5794847(-)	2980	TGME49_306060	329 kDa	6	NR-362
rhoptry protein ROP1 (ROP1)	TGME49_chrXI:746156-747496(+)	446	TGME49_309590	48 kDa	4	NR-362
rhoptry protein ROP13 (ROP13)	TGME49_chrXI:2555225-2556427(-)	400	TGME49_312270	45 kDa	2	NR-225
rhoptry protein ROP15	TGVEG_chrIV:1874970-1877441(-)	333	TGVEG_211290	37 kDa	2	NR-20731
rhoptry protein ROP15 (ROP15)	TGME49_chrIV:1850523-1852993(-)	333	TGME49_211290	37 kDa	3	NR-225
rhoptry protein ROP16	TGVEG_chrVIIb:1062727-1064850(-)	707	TGVEG_262730	76 kDa	3	NR-20731
rhoptry protein ROP17	TGVEG_chrVIIb:3339941-3341767(-)	608	TGVEG_258580	69 kDa	3	NR-223
rhoptry protein ROP17 (ROP17)	TGME49_chrVIIb:3321930-3323756(-)	608	TGME49_258580	69 kDa	2	NR-362
rhoptry protein ROP18 (ROP18)	TGME49_chrVIIa:1513609-1515273(-)	554	TGME49_205250	63 kDa	3	NR-225
rhoptry protein ROP2A (ROP2A)	TGME49_chrX:7156744-7158043(+)	433	TGME49_215785	49 kDa	24	NR-362
rhoptry protein ROP4	TGVEG_chrla:1422093-1423829(-)	365	TGVEG_295125	40 kDa	12	NR-20730
rhoptry protein ROP4 (ROP4)	TGME49_chrla:1413184-1414491(-)	382	TGME49_295125	42 kDa	15	NR-362
rhoptry protein ROP5	KI544629:263-1912(-)	549	TGVEG_308090	61 kDa	24	NR-223
rhoptry protein ROP5	KI544617:439-2088(-)	549	TGVEG_442220	61 kDa	1	NR-44106
rhoptry protein ROP5 (ROP5)	TGME49_chrXII:566721-568370(-)	549	TGME49_308090	61 kDa	15	NR-362
rhoptry protein ROP7	KI544658:850-2577(-)	575	TGVEG_295110	63 kDa	19	NR-20731

rhoptry protein ROP7 (ROP7)	TGME49_chrla:1408573-1410300(-)	575	TGME49_295110	63 kDa	10	NR-362
rhoptry protein ROP8	TGVEG_chrX:7092159-7095102(+)	587	TGVEG_363030	67 kDa	18	NR-44106
rhoptry protein ROP8 (ROP8)	TGME49_chrX:7152824-7154551(+)	575	TGME49_215775	66 kDa	16	NR-362
rhoptry protein ROP9	TGVEG_chrVI:2823235-2825780(+)	353	TGVEG_243730	38 kDa	6	NR-20731
rhoptry protein ROP9 (ROP9)	TGME49_chrVI:2819522-2822066(+)	353	TGME49_243730	38 kDa	3	NR-225
ribosomal protein RPL10	TGVEG_chrIX:2744224-2746540(-)	221	TGVEG_288720	25 kDa	3	NR-20731
ribosomal protein RPL10 (RPL10)	TGME49_chrIX:2709769-2712080(-)	221	TGME49_288720	25 kDa	1	NR-362
ribosomal protein RPL11	TGVEG_chrXI:839101-840722(+)	175	TGVEG_309820	20 kDa	4	NR-20731
ribosomal protein RPL11 (RPL11)	TGME49_chrXI:830503-832124(+)	175	TGME49_309820	20 kDa	2	NR-225
ribosomal protein RPL12	TGVEG_chrIII:1748320-1751319(-)	165	TGVEG_254440	18 kDa	5	NR-20731
ribosomal protein RPL13	TGVEG_chrVIIb:861184-864684(-)	355	TGVEG_263050	40 kDa	1	NR-44106
ribosomal protein RPL13 (RPL13)	TGME49_chrVIIb:852681-856181(-)	355	TGME49_263050	40 kDa	1	NR-225
ribosomal protein RPL13A	TGVEG_chrIX:4603246-4605948(-)	286	TGVEG_292130	33 kDa	7	NR-20731
ribosomal protein RPL14	TGVEG_chrIX:825801-827704(+)	157	TGVEG_267060	18 kDa	4	NR-20731
ribosomal protein RPL15	TGVEG_chrX:184932-187162(+)	205	TGVEG_228470	24 kDa	2	NR-223
ribosomal protein RPL18 (RPL18)	TGME49_chrXII:290951-294076(+)	187	TGME49_300000	21 kDa	2	NR-225
ribosomal protein RPL18A	TGVEG_chrVIIb:1101260-1103370(+)	183	TGVEG_262670	21 kDa	5	NR-20731
ribosomal protein RPL18A (RPL18A)	TGME49_chrVIIb:1092681-1094792(+)	183	TGME49_262670	21 kDa	3	NR-225
ribosomal protein RPL21	TGVEG_chrXII:2433527-2434000(+)	157	TGVEG_245680	18 kDa	5	NR-20731
ribosomal protein RPL23	TGVEG_chrXI:2430972-2433065(-)	139	TGVEG_312090	15 kDa	4	NR-20730
ribosomal protein RPL23A	TGVEG_chrVI:11935-14028(+)	167	TGVEG_238010	19 kDa	3	NR-20731
ribosomal protein RPL24	TGVEG_chrXI:6463941-6467606(+)	438	TGVEG_216010	48 kDa	1	NR-20730
ribosomal protein RPL27A	TGVEG_chrXI:1394225-1395004(-)	147	TGVEG_310490	16 kDa	2	NR-20731
ribosomal protein RPL3	TGVEG_chrX:884432-887124(-)	389	TGVEG_227360	44 kDa	5	NR-20731
ribosomal protein RPL3 (RPL3)	TGME49_chrX:993887-996580(-)	389	TGME49_227360	44 kDa	1	NR-362
ribosomal protein RPL30	TGVEG_chrVIII:1971022-1972847(-)	108	TGVEG_232230	12 kDa	2	NR-20730
ribosomal protein RPL31	TGVEG_chrIX:1349266-1350637(+)	120	TGVEG_266070	14 kDa	5	NR-20731
ribosomal protein RPL31 (RPL31)	TGME49_chrIX:1319959-1321330(+)	120	TGME49_266070	14 kDa	3	NR-225
ribosomal protein RPL32	TGVEG_chrIX:700307-700812(-)	134	TGVEG_267400	16 kDa	4	NR-20731
ribosomal protein RPL32 (RPL32)	TGME49_chrIX:674407-675385(-)	134	TGME49_267400	16 kDa	2	NR-225
ribosomal protein RPL4	TGVEG_chrXI:521475-522821(-)	448	TGVEG_309120	49 kDa	5	NR-20731
ribosomal protein RPL4 (RPL4)	TGME49_chrXI:514541-515887(-)	448	TGME49_309120	49 kDa	2	NR-225
ribosomal protein RPL5	TGVEG_chrIV:549675-552699(+)	310	TGVEG_320050	35 kDa	4	NR-223
ribosomal protein RPL5 (RPL5)	TGME49_chrIV:550949-553977(+)	310	TGME49_320050	35 kDa	2	NR-225
ribosomal protein RPL6	TGVEG_chrXI:3349802-3350650(+)	282	TGVEG_313390	31 kDa	5	NR-20731
ribosomal protein RPL7A	TGVEG_chrVIIb:1668766-1671650(+)	276	TGVEG_261570	31 kDa	4	NR-20731

ribosomal protein RPL7A (RPL7A)	TGME49_chrVIIb:1652920-1655805(+)	276	TGME49_261570	31 kDa	1	NR-362
ribosomal protein RPL8	TGVEG_chrVIIa:2129206-2131670(+)	260	TGVEG_204020	28 kDa	3	NR-20731
ribosomal protein RPL8 (RPL8)	TGME49_chrVIIa:2046086-2048555(+)	260	TGME49_204020	28 kDa	3	NR-362
ribosomal protein RPL9	TGVEG_chrV:2666579-2668994(+)	190	TGVEG_284560	21 kDa	1	NR-20730
ribosomal protein RPL9 (RPL9)	TGME49_chrV:2713061-2715476(+)	190	TGME49_284560	21 kDa	2	NR-362
ribosomal protein RPP0	TGVEG_chrXII:1504617-1506164(+)	314	TGVEG_218410	34 kDa	2	NR-223
ribosomal protein RPP2	TGVEG_chrXI:837638-838465(-)	113	TGVEG_309810	12 kDa	3	NR-223
ribosomal protein RPS11	TGVEG_chrX:1071610-1074486(-)	161	TGVEG_226970	19 kDa	4	NR-20731
ribosomal protein RPS13	TGVEG_chrVIII:5253872-5256132(-)	151	TGVEG_270380	17 kDa	2	NR-223
ribosomal protein RPS13 (RPS13)	TGME49_chrVIII:5240753-5243012(-)	151	TGME49_270380	17 kDa	2	NR-225
ribosomal protein RPS14	TGVEG_chrVIIb:390385-392126(+)	156	TGVEG_263700	16 kDa	6	NR-20730
ribosomal protein RPS14 (RPS14)	TGME49_chrVIIb:385908-387618(+)	156	TGME49_263700	16 kDa	4	NR-225
ribosomal protein RPS15A	TGVEG_chrX:4308470-4310354(+)	231	TGVEG_234450	27 kDa	2	NR-20731
ribosomal protein RPS15A (RPS15A)	TGME49_chrX:4397204-4399086(+)	231	TGME49_234450	27 kDa	1	NR-225
ribosomal protein RPS16	TGVEG_chrVIIb:865115-866803(+)	211	TGVEG_263040	24 kDa	51	NR-20731
ribosomal protein RPS16 (RPS16)	TGME49_chrVIIb:856869-858555(+)	211	TGME49_263040	24 kDa	3	NR-225
ribosomal protein RPS17	TGVEG_chrlb:323904-325606(-)	132	TGVEG_207840	15 kDa	2	NR-20731
ribosomal protein RPS18	TGVEG_chrX:2440962-2442210(+)	156	TGVEG_225080	18 kDa	5	NR-20731
ribosomal protein RPS18 (RPS18)	TGME49_chrX:2540172-2541420(+)	156	TGME49_225080	18 kDa	2	NR-225
ribosomal protein RPS2	TGVEG_chrIX:5487008-5489449(+)	269	TGVEG_305520	29 kDa	2	NR-223
ribosomal protein RPS20	TGVEG_chrII:1390470-1392308(+)	233	TGVEG_223050	26 kDa	2	NR-223
ribosomal protein RPS20 (RPS20)	TGME49_chrII:1385210-1387050(+)	233	TGME49_223050	26 kDa	3	NR-225
ribosomal protein RPS23	TGVEG_chrVIII:377860-380758(+)	143	TGVEG_229670	16 kDa	2	NR-20730
ribosomal protein RPS23 (RPS23)	TGME49_chrVIII:371876-374724(+)	143	TGME49_229670	16 kDa	3	NR-225
ribosomal protein RPS24	TGVEG_chrX:6903940-6905603(-)	267	TGVEG_215460	30 kDa	4	NR-20731
ribosomal protein RPS25 (RPS25)	TGME49_chrVIII:1265081-1266106(+)	161	TGME49_231140	19 kDa	5	NR-225
ribosomal protein RPS3	TGVEG_chrVIII:2004729-2005705(-)	255	TGVEG_232300	29 kDa	4	NR-44106
ribosomal protein RPS3 (RPS3)	TGME49_chrVIII:1998615-1999591(-)	255	TGME49_232300	29 kDa	3	NR-362
ribosomal protein RPS3A	TGVEG_chrVIII:2244287-2245675(+)	259	TGVEG_232710	29 kDa	7	NR-20731
ribosomal protein RPS3A (RPS3A)	TGME49_chrVIII:2235909-2237297(+)	259	TGME49_232710	29 kDa	4	NR-225
ribosomal protein RPS4	TGVEG_chrlb:59395-62533(-)	312	TGVEG_207440	36 kDa	4	NR-44106
ribosomal protein RPS4 (RPS4)	TGME49_chrlb:62048-65198(-)	312	TGME49_207440	36 kDa	3	NR-225
ribosomal protein RPS5	TGVEG_chrVI:1975486-1976552(-)	192	TGVEG_242330	22 kDa	5	NR-20731
ribosomal protein RPS5 (RPS5)	TGME49_chrVI:1972856-1973922(-)	192	TGME49_242330	22 kDa	4	NR-225
ribosomal protein RPS6	TGVEG_chrIV:2181703-2182473(+)	256	TGVEG_210690	29 kDa	6	NR-20731
ribosomal protein RPS6 (RPS6)	TGME49_chrIV:2156530-2158101(+)	256	TGME49_210690	29 kDa	4	NR-225

ribosomal protein RPS7	TGVEG_chrVI:476843-477939(+)	196	TGVEG_239100	23 kDa	3	NR-20731
ribosomal protein RPS7 (RPS7)	TGME49_chrVI:462430-464737(+)	196	TGME49_239100	23 kDa	4	NR-362
ribosomal protein RPS8	TGVEG_chrXII:2252093-2255903(-)	205	TGVEG_245460	24 kDa	4	NR-20731
ribosomal protein RPS8 (RPS8)	TGME49_chrXII:2283634-2287444(-)	205	TGME49_245460	24 kDa	2	NR-362
ribosomal protein RPS9	TGVEG_chrXII:3855189-3857050(+)	188	TGVEG_248480	22 kDa	9	NR-20731
ribosomal protein RPS9 (RPS9)	TGME49_chrXII:3884353-3886214(+)	188	TGME49_248480	22 kDa	2	NR-225
ribosomal protein RPSA	TGVEG_chrIX:1354988-1357327(-)	287	TGVEG_266060	32 kDa	8	NR-20731
ribosomal protein RPSA (RPSA)	TGME49_chrIX:1325582-1327921(-)	287	TGME49_266060	32 kDa	1	NR-362
ribosomal-ubiquitin protein RPL40	TGVEG_chrIX:3461937-3463146(+)	129	TGVEG_289750	15 kDa	8	NR-223
RIC1 protein	TGVEG_chrXI:4385053-4399041(-)	3789	TGVEG_314875	410 kDa	1	NR-20734
RNA methyltransferase, TrmH family protein	TGVEG_chrXII:1376143-1390916(+)	2898	TGVEG_218580	311 kDa	1	NR-20730
RNA polymerase B	tgme49_asubl.1944:20623-23781(+)	1052	TGME49_300660	124 kDa	2	NR-362
RNA polymerase I specific transcription initiation factor RRN3	TGVEG_chrVI:295571-310274(+)	3150	TGVEG_238880	342 kDa	2	NR-20730
RNA pseudouridine synthase superfamily protein	TGVEG_chrIX:6284297-6303904(-)	6535	TGVEG_306660	676 kDa	1	NR-20730
RNA pseudouridine synthase superfamily protein	TGME49_chrVIIa:1418022-1420925(+)	826	TGME49_205410	91 kDa	1	NR-362
RNA recognition motif (A.K.A RRM, RBD, or RNP domain) protein	TGVEG_chrIII:1966914-1972686(+)	781	TGVEG_254835	85 kDa	1	NR-44106
RNA recognition motif-containing protein	TGVEG_chrla:1091659-1098102(-)	1151	TGVEG_294710	122 kDa	2	NR-20731
RNA recognition motif-containing protein	TGVEG_chrVIIb:1128077-1130999(+)	293	TGVEG_262620	32 kDa	6	NR-20731
RNA recognition motif-containing protein	TGVEG_chrIX:1525970-1529022(-)	492	TGVEG_265530	51 kDa	2	NR-20731
RNA recognition motif-containing protein	TGVEG_chrlb:1781848-1784241(+)	475	TGVEG_321500	51 kDa	4	NR-20731
RNA recognition motif-containing protein	TGVEG_chrIX:4638421-4650566(-)	2070	TGVEG_292200	222 kDa	1	NR-20734
RNA recognition motif-containing protein	TGVEG_chrX:5335633-5339636(+)	513	TGVEG_236540	53 kDa	2	NR-223
RNA recognition motif-containing protein	TGVEG_chrIX:4441431-4447191(+)	705	TGVEG_291930	73 kDa	2	NR-223
RNA recognition motif-containing protein	TGME49_chrla:1083312-1089755(-)	1151	TGME49_294710	122 kDa	1	NR-225
RNA recognition motif-containing protein	TGME49_chrIV:1147010-1150456(+)	1148	TGME49_318690	125 kDa	1	NR-225
RNA recognition motif-containing protein	TGME49_chrIX:2174061-2180163(-)	430	TGME49_264610	45 kDa	3	NR-225
RNA recognition motif-containing protein	TGME49_chrVIIb:1119507-1122427(+)	293	TGME49_262620	32 kDa	1	NR-362
RNA recognition motif-containing protein	TGVEG_chrVIII:4920912-4928946(-)	1374	TGVEG_270880	139 kDa	1	NR-44106
RNA-directed DNA polymerase	TGVEG_chrlb:1374727-1392519(-)	4625	TGVEG_209650	506 kDa	2	NR-20730
RNA-directed DNA polymerase	TGME49_chrlb:1374340-1392166(-)	4639	TGME49_209650	508 kDa	1	NR-362
RNA-directed RNA polymerase	TGVEG_chrIV:1189938-1199503(+)	1252	TGVEG_318620	137 kDa	1	NR-20731

S15 sporozoite-expressed protein	TGVEG_chrXI:5976740-5980172(-)	436	TGVEG_216650	49 kDa	2	NR-20731
S15 sporozoite-expressed protein	TGME49_chrXI:5983173-5986605(-)	436	TGME49_216650	49 kDa	2	NR-225
SAG-related sequence SRS16B (SRS9)	TGME49_chrIV:441694-442890(-)	398	TGME49_320190	41 kDa	1	NR-362
SAG-related sequence SRS17B	TGVEG_chrIV:1012373-1013987(+)	379	TGVEG_319350	39 kDa	4	NR-20730
SAG-related sequence SRS17B (SRS17B)	TGME49_chrIV:1013186-1015280(+)	379	TGME49_319350	39 kDa	3	NR-225
SAG-related sequence SRS20A	TGVEG_chrV:2116665-2118561(-)	328	TGVEG_285870	35 kDa	3	NR-20730
SAG-related sequence SRS20A (SRS20A)	TGME49_chrV:2158758-2160660(-)	328	TGME49_285870	35 kDa	13	NR-362
SAG-related sequence SRS29A (SRS1)	TGVEG_chrVIII:2669490-2670752(+)	420	TGVEG_233450	44 kDa	2	NR-20731
SAG-related sequence SRS29A (SRS1)	TGME49_chrVIII:2660930-2662192(+)	420	TGME49_233450	44 kDa	1	NR-225
SAG-related sequence SRS29B (SAG1)	TGVEG_chrVIII:2673014-2674024(+)	336	TGVEG_233460	35 kDa	18	NR-223
SAG-related sequence SRS29B (SAG1)	TGME49_chrVIII:2664481-2665491(+)	336	TGME49_233460	35 kDa	15	NR-362
SAG-related sequence SRS29C (SRS2)	TGVEG_chrVIII:2679855-2680973(+)	372	TGVEG_233480	39 kDa	8	NR-20731
SAG-related sequence SRS29C (SRS2)	TGME49_chrVIII:2671322-2672440(+)	372	TGME49_233480	39 kDa	6	NR-362
SAG-related sequence SRS34A (SAG2A)	TGVEG_chrVIII:4770608-4771168(+)	186	TGVEG_271050	19 kDa	9	NR-223
SAG-related sequence SRS34A (SAG2A)	TGME49_chrVIII:4758133-4758696(+)	187	TGME49_271050	19 kDa	7	NR-362
SAG-related sequence SRS35A (SRS35A)	TGME49_chrVIIa:293019-293537(-)	172	TGME49_280570	19 kDa	4	NR-362
SAG-related sequence SRS44 (SRS44)	TGME49_chrIX:2135664-2143297(+)	2451	TGME49_264660	262 kDa	10	NR-362
SAG-related sequence SRS51	TGVEG_chrXI:302710-304685(+)	472	TGVEG_308840	50 kDa	6	NR-20731
SAG-related sequence SRS52A	TGVEG_chrXI:4669621-4671025(+)	329	TGVEG_315320	34 kDa	3	NR-20730
SAG-related sequence SRS52A (SRS52A)	TGME49_chrXI:4647415-4649068(+)	329	TGME49_315320	34 kDa	4	NR-225
SAG-related sequence SRS57 (SAG3)	TGME49_chrXII:509133-510290(-)	385	TGME49_308020	42 kDa	2	NR-362
sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase	TGVEG_chrVIII:769959-782403(+)	1093	TGVEG_230420	119 kDa	1	NR-20731
sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase	TGME49_chrVIII:763904-776922(+)	1093	TGME49_230420	119 kDa	1	NR-225
SCP family extracellular subfamily protein	TGVEG_chrVI:1004967-1008019(-)	246	TGVEG_239890	27 kDa	3	NR-223
Sec7 domain-containing protein	TGVEG_chrXI:2587328-2598947(-)	3015	TGVEG_312300	325 kDa	1	NR-20731
Sec7 domain-containing protein	TGME49_chrXI:2575948-2587567(-)	3015	TGME49_312300	325 kDa	1	NR-225
selenide, water dikinase	TGVEG_chrVIIa:337613-347402(-)	1297	TGVEG_280560	138 kDa	1	NR-20731
serine/threonine phosphatase PP1	TGVEG_chrXI:1536005-1537480(-)	306	TGVEG_310700	35 kDa	4	NR-223
serine/threonine phosphatase PP1	TGME49_chrXI:1524215-1525690(-)	306	TGME49_310700	35 kDa	3	NR-362
serine/threonine specific protein phosphatase	TGVEG_chrIX:5144684-5159942(-)	2883	TGVEG_304955	304 kDa	1	NR-223
serine/threonine specific protein phosphatase	TGME49_chrIX:5107149-5122407(-)	2883	TGME49_304955	304 kDa	1	NR-362
serine-threonine phosphatase 2C (PP2C)	TGVEG_chrVIII:1594045-1597544(+)	331	TGVEG_231850	37 kDa	1	NR-223
serpin (serine proteinase inhibitor) superfamily protein	TGVEG_chrXII:2647982-2649762(+)	432	TGVEG_246130	47 kDa	2	NR-20734



serpin (serine proteinase inhibitor) superfamily protein	TGME49_chrXII:2679539-2681321(+)	432	TGME49_246130	47 kDa	1	NR-225
signal peptidase	TGVEG_chrX:5943767-5956362(+)	1859	TGVEG_214090	203 kDa	5	NR-20734
Sma protein	TGME49_chrXI:5523075-5551762(+)	2746	TGME49_316730	307 kDa	1	NR-362
small GTPase Rab2, putative	TGME49_chrXI:2396761-2401237(+)	214	TGME49_312050	24 kDa	1	NR-362
small ubiquitin family modifier, putative	TGME49_chrIX:1113557-1114435(-)	91	TGME49_266460	10 kDa	1	NR-362
Sodium:neurotransmitter symporter family protein	TGVEG_chrIX:1971222-1974335(+)	1037	TGVEG_264870	109 kDa	1	NR-20731
Sodium:neurotransmitter symporter family protein	TGME49_chrIX:1943143-1946393(+)	1037	TGME49_264870	109 kDa	1	NR-362
Spc97 / Spc98 family protein	TGVEG_chrVIIb:507571-517553(-)	1877	TGVEG_263510	202 kDa	1	NR-223
Spc97 / Spc98 family protein	TGME49_chrVIIb:502011-511957(-)	1877	TGME49_263510	202 kDa	1	NR-362
splicing factor 3b, subunit 3, putative	TGME49_chrVIII:1137557-1148655(-)	1233	TGME49_230960	136 kDa	2	NR-225
splicing factor SF2	TGVEG_chrIV:931235-937289(+)	450	TGVEG_319530	54 kDa	2	NR-20731
SprT domain-containing protein	TGVEG_chrXII:2564724-2570321(+)	839	TGVEG_246020	90 kDa	1	NR-44106
START domain-containing protein	TGVEG_chrX:5402644-5408338(-)	1424	TGVEG_236660	150 kDa	1	NR-20734
strictosidine synthase subfamily protein	TGVEG_chrIX:3366394-3371850(-)	456	TGVEG_289580	49 kDa	3	NR-223
strictosidine synthase subfamily protein	TGME49_chrIX:3332822-3338264(-)	456	TGME49_289580	49 kDa	3	NR-225
subtilisin SUB1	TGVEG_chrVIIa:2113636-2119609(+)	817	TGVEG_204050	87 kDa	11	NR-223
subtilisin SUB1 (SUB1)	TGME49_chrVIIa:2030677-2036482(+)	761	TGME49_204050	82 kDa	2	NR-362
superoxide dismutase	TGVEG_chrXI:5254360-5256066(-)	201	TGVEG_316310	23 kDa	3	NR-223
surface antigen repeat-containing protein	TGME49_chrV:659732-688284(-)	6668	TGME49_212880	762 kDa	1	NR-362
sushi domain (scr repeat) domain-containing protein	TGVEG_chrIV:1885653-1902821(-)	3916	TGVEG_211270	415 kDa	2	NR-44106
SWI2/SNF2-containing PHD finger protein	TGVEG_chrX:5541531-5552059(+)	2556	TGVEG_236970	278 kDa	1	NR-223
SWI2/SNF2-containing protein	TGME49_chrVIII:274876-282945(+)	1537	TGME49_229460	167 kDa	1	NR-362
SWI2/SNF2-containing protein RAD26	TGVEG_chrVIIb:769582-781916(-)	1590	TGVEG_263140	175 kDa	2	NR-223
SWIRM domain-containing protein	TGME49_chrV:1637614-1644989(+)	780	TGME49_286920	84 kDa	1	NR-362
sympleskin tight junction carboxy-terminal protein	TGVEG_chrXII:3224147-3239556(-)	1891	TGVEG_247330	204 kDa	1	NR-20734
T-complex protein 1 delta subunit	TGVEG_chrVIII:3712595-3719822(+)	542	TGVEG_272910	59 kDa	1	NR-44106
T-complex protein 1 eta subunit	TGVEG_chrII:1840436-1848032(-)	546	TGVEG_297500	59 kDa	2	NR-223
tetratricopeptide repeat-containing protein	TGVEG_chrXII:4542963-4546448(+)	1161	TGVEG_249480	126 kDa	1	NR-20730
tetratricopeptide repeat-containing protein	TGVEG_chrVIIb:2510432-2520412(-)	3326	TGVEG_260150	353 kDa	1	NR-20731

tetratricopeptide repeat-containing protein	TGVEG_chrII:1382138-1383895(-)	585	TGVEG_223030	63 kDa	1	NR-20731
thioredoxin domain-containing protein	TGVEG_chrXII:3244571-3246687(-)	312	TGVEG_247350	34 kDa	2	NR-223
thioredoxin domain-containing protein	TGVEG_chrVIIa:1838487-1846392(-)	659	TGVEG_204480	72 kDa	1	NR-223
threonyl-tRNA synthetase family protein	TGVEG_chrXII:113334-117903(+)	844	TGVEG_300260	96 kDa	3	NR-20731
toxofilin	TGME49_chrX:6014213-6014944(+)	243	TGME49_214080	27 kDa	3	NR-362
trafficking particle complex subunit 10	TGVEG_chrX:764966-781808(+)	3648	TGVEG_227610	390 kDa	2	NR-44106
transcription elongation factor SPT6 (SPT6)	TGME49_chrXI:333208-351035(+)	3276	TGME49_308890	366 kDa	1	NR-225
transcription factor/nuclear export subunit 2	TGVEG_chrVIII:4865629-4885850(-)	3000	TGVEG_270930	317 kDa	7	NR-44106
translation elongation factor 2 family protein, putative	TGME49_chrVIIa:1385098-1389126(+)	952	TGME49_205470	107 kDa	2	NR-362
transmembrane protein	TGVEG_chrVI:69801-72276(-)	240	TGVEG_238100	27 kDa	1	NR-20731
transporter, major facilitator family protein	TGVEG_chrVIII:6714490-6722762(+)	2200	TGVEG_268020B	240 kDa	2	NR-20730
transporter, major facilitator family protein	TGME49_chrIII:1105413-1112017(-)	1302	TGME49_253700	138 kDa	2	NR-225
triose-phosphate isomerase TPI-I	TGVEG_chrX:1825371-1827719(+)	253	TGVEG_225930	28 kDa	1	NR-223
tRNA nucleotidyltransferase/poly(A) polymerase family protein	TGVEG_chrXI:5025491-5030976(-)	1114	TGVEG_315810	122 kDa	2	NR-44106
tRNA pseudouridine synthase	TGVEG_chrVIIIb:93973-99994(+)	1818	TGVEG_264190	197 kDa	1	NR-223
trypsin domain-containing protein	TGVEG_chrVIIIb:931079-939834(+)	972	TGVEG_262920	105 kDa	1	NR-20731
trypsin domain-containing protein	TGME49_chrVIIb:922803-931563(+)	972	TGME49_262920	105 kDa	1	NR-225
tryptophanyl-tRNA synthetase (TrpRS2)	TGVEG_chrIX:2509018-2513449(+)	689	TGVEG_288360	77 kDa	8	NR-20731
tryptophanyl-tRNA synthetase (TrpRS2)	TGME49_chrIX:2473710-2478137(+)	689	TGME49_288360	77 kDa	4	NR-362
type I fatty acid synthase, putative	TGME49_chrVIIa:1698443-1721297(+)	5371	TGME49_204560	583 kDa	1	NR-362
Tyrosine kinase-like (TKL) protein	TGVEG_chrX:1949104-1959650(-)	2021	TGVEG_225770	214 kDa	1	NR-20730
Tyrosine kinase-like (TKL) protein	TGVEG_chrIV:2389530-2405195(+)	3571	TGVEG_301270	386 kDa	2	NR-20734
UBA/TS-N domain-containing protein	TGVEG_chrVIII:1924977-1935599(-)	1868	TGVEG_232180	207 kDa	1	NR-20731
UBA/TS-N domain-containing protein	TGVEG_chrVIII:5152429-5179045(+)	7817	TGVEG_270595	846 kDa	2	NR-20734
ubiquinol cytochrome c oxidoreductase, putative	TGME49_chrIV:427353-430830(-)	487	TGME49_320220	55 kDa	1	NR-362
ubiquitin carboxyl-terminal hydrolase	TGVEG_chrIV:2091226-2102607(+)	3600	TGVEG_210781	372 kDa	1	NR-223
ubiquitin interaction motif family protein	TGVEG_chrX:3328173-3332330(-)	388	TGVEG_223960	41 kDa	2	NR-20731

ubiquitin-activating enzyme E1 family protein	TGME49_chrIX:3681333-3691332(+)	1092	TGME49_290290	120 kDa	1	NR-362
unspecified product (MAG1)	TGME49_chrVIII:5311766-5313737(+)	452	TGME49_270240	49 kDa	11	NR-362
variable surface lipoprotein	TGVEG_chrIX:6070901-6080800(+)	876	TGVEG_306350	90 kDa	2	NR-44106
Vps53 family, N-terminal protein	TGVEG_chrII:1639630-1645745(+)	1029	TGVEG_297230	110 kDa	2	NR-20734
V-type H(+)-translocating pyrophosphatase VP1	TGME49_chrXII:4073180-4078137(+)	816	TGME49_248670	85 kDa	2	NR-225
WD domain, G-beta repeat-containing protein	TGVEG_chrXII:904401-913022(+)	2649	TGVEG_219450	282 kDa	3	NR-20730
WD domain, G-beta repeat-containing protein	TGVEG_chrXI:4534249-4540966(-)	1462	TGVEG_315140	155 kDa	2	NR-20731
WD domain, G-beta repeat-containing protein	TGVEG_chrXI:1262793-1265027(-)	744	TGVEG_310310	76 kDa	3	NR-20731
WD domain, G-beta repeat-containing protein	TGVEG_chrVIII:4201688-4211586(+)	2869	TGVEG_272040	305 kDa	17	NR-20734
WD domain, G-beta repeat-containing protein	TGVEG_chrVIII:3254186-3267835(+)	3633	TGVEG_273800	381 kDa	1	NR-20734
WD domain, G-beta repeat-containing protein	TGME49_chrIV:902674-910550(+)	690	TGME49_319570	76 kDa	1	NR-225
WD domain, G-beta repeat-containing protein	TGME49_chrXI:1658762-1668393(-)	3142	TGME49_310910	339 kDa	1	NR-362
WLM domain protein	TGVEG_chrVI:3437149-3444130(+)	1333	TGVEG_244660	144 kDa	1	NR-20730
zinc carboxypeptidase superfamily protein	TGVEG_chrVIII:4327039-4337408(-)	1330	TGVEG_271870	144 kDa	1	NR-20730
zinc finger (CCCH type) motif-containing protein	TGVEG_chrXII:3741838-3744601(+)	816	TGVEG_248270	87 kDa	1	NR-20731
zinc finger (CCCH type) motif-containing protein	TGVEG_chrXII:1096005-1100731(+)	1086	TGVEG_219120	116 kDa	1	NR-223
zinc finger (CCCH type) motif-containing protein	TGME49_chrX:2915917-2922188(-)	1934	TGME49_224630	209 kDa	1	NR-362
zinc finger (CCCH type) motif-containing protein	TGME49_chrVI:1886589-1889819(+)	852	TGME49_242090	90 kDa	2	NR-362
zinc finger in N-recognin protein	TGME49_chrVIIa:2575185-2600200(-)	5356	TGME49_203320	573 kDa	1	NR-362
zinc finger, C3HC4 type (RING finger) domain-containing protein	TGVEG_chrX:3392007-3412994(-)	3893	TGVEG_223880	407 kDa	2	NR-20734
zinc finger, C3HC4 type (RING finger) domain-containing protein	TGME49_chrX:7061903-7068481(-)	1471	TGME49_215640	160 kDa	1	NR-225

zinc finger, C3HC4 type (RING finger) domain-containing protein	TGME49_chrX:3488612-3509562(-)	3893	TGME49_223880	407 kDa	1	NR-362
zinc finger, C3HC4 type (RING finger) protein	TGVEG_chrXI:3680019-3689833(-)	1588	TGVEG_313760	170 kDa	1	NR-44106