

**Comparative DEGs table.** Evaluated differentially expressed genes considering all pairwise comparisons between *D. buzzatii* and *D. koepferae* (q<0.01) using *D. mojavensis* reference and the respective *D. melanogaster* homologs

<i>D. mojavensis</i> gene symbol	<i>D. mojavensis</i> gene id	<i>D. melanogaster</i> gene symbol	<i>D. melanogaster</i> gene id	Description
SLC				
Dmoj\GI17747	FBgn0140488	Nha1	FBgn0031865	Na <sup>+</sup> /H <sup>+</sup> hydrogen antiporter 1
Dmoj\GI14185	FBgn0136938	dmGlut	FBgn0010497	Dietary and metabolic glutamate transporter
Dmoj\GI19091	FBgn0141830	CG8468	FBgn0033913	
Dmoj\GI21795	FBgn0144525	Mct1	FBgn0023549	Monocarboxylate transporter 1
Dmoj\GI22971	FBgn0145698	CG7333	FBgn0038715	
Dmoj\GI12888	FBgn0135645	blot	FBgn0027660	bloated tubules
Dmoj\GI19618	FBgn0142355	Oatp58Da	FBgn0050277	Organic anion transporting polypeptide 58Da
Dmoj\GI13032	FBgn0135789	CG8177	FBgn0036043	
Dmoj\GI24359	FBgn0147082	CG6125	FBgn0038337	
Dmoj\GI10539	FBgn0133303	MFS9	FBgn0038799	Major Facilitator Superfamily Transporter 9
Dmoj\GI22204	FBgn0144933	CG1607	FBgn0039844	
Dmoj\GI24622	FBgn0147344	CG6231	FBgn0038720	
Dmoj\GI18111	FBgn0140851	CG3036	FBgn0031645	
Dmoj\GI13648	FBgn0136403	CG10960	FBgn0036316	
Dmoj\GI10224	FBgn0132989	CG11665	FBgn0033028	
Dmoj\GI22338	FBgn0145066	Zip99C	FBgn0039714	Zinc/iron regulated transporter-related protein 99C
Dmoj\GI17795	FBgn0140536	Ndae1	FBgn00259111	Na <sup>+</sup> -driven anion exchanger 1
Dmoj\GI13105	FBgn0135862	CG7255	FBgn0036493	
Dmoj\GI21812	FBgn0144542	Ctr1A	FBgn0062413	Copper transporter 1A
Dmoj\GI24495	FBgn0147217	NKCC	FBgn0051547	sodium potassium chloride cotransporter
Dmoj\GI19615	FBgn0142352	Oatp58Dc	FBgn0034716	Organic anion transporting polypeptide 58Dc
Dmoj\GI20333	FBgn0143069	CG9826	FBgn0034784	
Dmoj\GI11052	FBgn0133815	NAAT1	FBgn0029762	Nutrient Amino Acid Transporter 1
Dmoj\GI23108	FBgn0145835	CG7342	FBgn0038716	
Dmoj\GI20348	FBgn0143084	List	FBgn0034381	Lithium-inducible SLC6 transporter
Dmoj\GI13064	FBgn0135821	Catsup	FBgn0002022	Catecholamines up
Dmoj\GI17357	FBgn0140101	CG13384	FBgn0032036	
Dmoj\GI10643	FBgn0133407	CG9717	FBgn0039789	
Dmoj\GI10092	FBgn0132858	CG6126	FBgn0038407	
Dmoj\GI19603	FBgn0142340	ZnT41F	FBgn0025693	Zinc transporter 41F
Dmoj\GI20339	FBgn0143075	MFS14	FBgn0010651	Major Facilitator Superfamily Transporter 14
Dmoj\GI11098	FBgn0133860	sesB	FBgn0003360	stress-sensitive B
Dmoj\GI21320	FBgn0144050	CG3394	FBgn0034999	
Dmoj\GI13371	FBgn0136128	CG9706	FBgn0036662	
Dmoj\GI19350	FBgn0142088	sut1	FBgn0028563	sugar transporter 1
Dmoj\GI19756	FBgn0142493	CG8249	FBgn0034045	
Dmoj\GI24592	FBgn0147314	sll	FBgn0038524	slalom
Dmoj\GI17852	FBgn0140593	Ent1	FBgn0031250	Equilibrative nucleoside transporter 1
Dmoj\GI14799	FBgn0137550	CG4991	FBgn0030817	
Dmoj\GI16685	FBgn0139433	CG42269	FBgn00259164	
Dmoj\GI22265	FBgn0144993	kar	FBgn0001296	karmoisin
Dmoj\GI19616	FBgn0142353	Oatp58Da	FBgn0050277	Organic anion transporting polypeptide 58Da
Dmoj\GI15324	FBgn0138073	Ucp4A	FBgn0030872	
Dmoj\GI16224	FBgn0138973	Nhe1	FBgn0026787	Na <sup>+</sup> /H <sup>+</sup> hydrogen exchanger 1
Dmoj\GI16741	FBgn0139489	CG33282	FBgn0053282	
Dmoj\GI23107	FBgn0145834	CG7333	FBgn0038715	
Dmoj\GI21253	FBgn0143983	CG12866	FBgn0033955	
Dmoj\GI20336	FBgn0143072	CG15096	FBgn0034394	
Dmoj\GI24704	FBgn0147426	Glut3	FBgn0015230	Glucose transporter type 3
Dmoj\GI18804	FBgn0141543	CG14744	FBgn0033324	
Dmoj\GI12576	FBgn0135333	CG7514	FBgn0035567	
Dmoj\GI10986	FBgn0133749	CG8028	FBgn0031010	
Dmoj\GI17535	FBgn0140279	Ucp4B	FBgn0031758	Uncoupling protein 4B
Dmoj\GI14188	FBgn0136941	CG18788	FBgn0042126	
Dmoj\GI21883	FBgn0144612	Ntl	FBgn0267326	Neurotransmitter transporter-like
Dmoj\GI19787	FBgn0142524	MFS12	FBgn0033234	Major Facilitator Superfamily Transporter 12
Dmoj\GI17977	FBgn0140717	MFS3	FBgn0031307	Major Facilitator Superfamily Transporter 3
Dmoj\GI21513	FBgn0144243	CG5254	FBgn0040383	
Dmoj\GI20792	FBgn0143527	Mpcp1	FBgn0034497	Mitochondrial phosphate carrier protein 1
Dmoj\GI12085	FBgn0134842	path	FBgn0036007	pathetic
Dmoj\GI17838	FBgn0140579	Fatp	FBgn0267828	Fatty acid (long chain) transport protein

Dmoj\GI17887	FBgn0140628	ine	FBgn0011603	inebriated
Dmoj\GI13959	FBgn0136713	Indy	FBgn0036816	I'm not dead yet
Dmoj\GI22760	FBgn0145487	aralar1	FBgn0028646	
Dmoj\GI13685	FBgn0136440	NaPi-III	FBgn0260795	Na[+]-dependent inorganic phosphate cotransporter type III
Dmoj\GI10470	FBgn0133234	CG7084	FBgn0038938	
Dmoj\GI13878	FBgn0136632	CG13907	FBgn0035173	
Dmoj\GI19679	FBgn0142416	Tpc2	FBgn0035078	Thiamine pyrophosphate carrier protein 2
Dmoj\GI15388	FBgn0138137	CG3168	FBgn0029896	
Dmoj\GI11490	FBgn0134250	Mpcp2	FBgn0026409	Mitochondrial phosphate carrier protein 2
Dmoj\GI18572	FBgn0141311	Tret1-2	FBgn0033644	Trehalose transporter 1-2
Dmoj\GI12686	FBgn0135443	Slc45-1	FBgn0035968	Solute carrier family 45 member 1
Dmoj\GI20334	FBgn0143070	CG15096	FBgn0034394	
Dmoj\GI12906	FBgn0135663	foi	FBgn0024236	fear-of-intimacy
Dmoj\GI21300	FBgn0144030	bdg	FBgn0034049	bedraggled
Dmoj\GI11443	FBgn0134204	CG7888	FBgn0036116	
Dmoj\GI14450	FBgn0137202	Oatp33Eb	FBgn0032435	Organic anion transporting polypeptide 33Eb
Dmoj\GI17121	FBgn0139865	Oatp33Ea	FBgn0032433	Organic anion transporting polypeptide 33Ea
Dmoj\GI23497	FBgn0146223	CG14606	FBgn0037485	
Dmoj\GI21063	FBgn0143795	CG3790	FBgn0033778	
Dmoj\GI10754	FBgn0133517	CG5646	FBgn0039525	
Dmoj\GI10439	FBgn0133203	CG15553	FBgn0039817	
Dmoj\GI21330	FBgn0144060	Vmat	FBgn0260964	Vesicular monoamine transporter
CE				
Dmoj\GI15296	FBgn0138045	mys	FBgn0004657	mysospheroid
Dmoj\GI23478	FBgn0146204	alpha-Est7	FBgn0015575	alpha-Esterase-7
Dmoj\GI16153	FBgn0138902	CG6414	FBgn0029690	
Dmoj\GI20427	FBgn0143163	CG3776	FBgn0035088	
Dmoj\GI24124	FBgn0146847	alpha-Est2	FBgn0015570	alpha-Esterase-2
Dmoj\GI22476	FBgn0145204	Est-6	FBgn0000592	Esterase 6
Dmoj\GI26443	FBgn0281180	Est-6	FBgn0000592	Esterase 6
Dmoj\GI22473	FBgn0145201	Est-6	FBgn0000592	Esterase 6
Dmoj\GI22474	FBgn0145202	Est-6	FBgn0000592	Esterase 6
Dmoj\GI20153	FBgn0142889	Jheh2	FBgn0034405	Juvenile hormone epoxide hydrolase 2
Dmoj\GI16153	FBgn0138902	CG6414	FBgn0029690	
Dmoj\GI23476	FBgn0146202	alpha-Est5	FBgn0261393	alpha-Esterase-5
Dmoj\GI11544	FBgn0134304	CG7365	FBgn0036939	
Dmoj\GI10121	FBgn0132887	CG4757	FBgn0027584	
OXR				
Dmoj\GI17213	FBgn0139957	CG6523	FBgn0032509	
Dmoj\GI21544	FBgn0144274	spidey	FBgn0029975	
Dmoj\GI16846	FBgn0139593	ND-13B	FBgn0047038	NADH dehydrogenase (ubiquinone) 13 kDa B subunit
Dmoj\GI24323	FBgn0147046	CG9743	FBgn0039756	
Dmoj\GI24324	FBgn0147047	CG15531	FBgn0039755	
Dmoj\GI20232	FBgn0142968	CG9436	FBgn0033101	
Dmoj\GI21688	FBgn0144418	CG33178	FBgn0053178	
Dmoj\GI16256	FBgn0139005	v	FBgn0003965	vermillion
Dmoj\Xdh	FBgn0064059	ry	FBgn0003308	rosy
Dmoj\GI17056	FBgn0139801	CG17928	FBgn0032603	
Dmoj\GI18387	FBgn0141126	Fmo-2	FBgn0033079	Flavin-containing monooxygenase 2
Dmoj\GI11911	FBgn0134669	CG11796	FBgn0036992	
Dmoj\GI22439	FBgn0145167	CG4836	FBgn0270925	
Dmoj\GI23351	FBgn0146078	Cyp304a1	FBgn0038095	
Dmoj\GI15259	FBgn0138008	N/A	N/A	N/A
Dmoj\GI23350	FBgn0146077	Cyp304a1	FBgn0038095	
Dmoj\GI18694	FBgn0141433	Cyp4e2	FBgn0014469	Cytochrome P450-4e2
Dmoj\GI20228	FBgn0142964	Cyp6a2	FBgn0000473	Cytochrome P450-6a2
Dmoj\GI20230	FBgn0142966	Cyp6a2	FBgn0000473	Cytochrome P450-6a2
Dmoj\GI12947	FBgn0135704	CG6034	FBgn0036750	
Dmoj\GI16990	FBgn0139736	Cyp309a1	FBgn0031432	
Dmoj\GI24222	FBgn0146945	Uro	FBgn0003961	Urate oxidase
Dmoj\GI11973	FBgn0134730	GstO3	FBgn0035904	Glutathione S transferase O3
Dmoj\GI24860	FBgn0147580	PH4alphaEFB	FBgn0039776	prolyl-4-hydroxylase-alpha EFB
Dmoj\GI23491	FBgn0146217	Gld	FBgn0001112	Glucose dehydrogenase
Dmoj\GI24262	FBgn0146985	CG7675	FBgn0038610	

Dmoj\GI11853	FBgn0134611	CG5946	FBgn0036211	
Dmoj\GI16636	FBgn0139384	Jafrac2	FBgn0040308	Thioredoxin peroxidase 2
Dmoj\GI22127	FBgn0144856	Cyp4c3	FBgn0015032	Cytochrome P450-4c3
Dmoj\Sod1	FBgn0134384	Sod1	FBgn0003462	Superoxide dismutase 1
Dmoj\GI19114	FBgn0141853	CG5009	FBgn0027572	
Dmoj\GI19074	FBgn0141813	Acox57D-p	FBgn0034628	acyl-Coenzyme A oxidase at 57D proximal
Dmoj\GI20052	FBgn0142788	Cyp9b1	FBgn0015038	Cytochrome P450-9b1
Dmoj\GI11492	FBgn0134252	shd	FBgn0003388	shade
Dmoj\GI22465	FBgn0145193	CG4860	FBgn0037999	
Dmoj\GI13547	FBgn0136302	CG9629	FBgn0036857	
Dmoj\GI18497	FBgn0141236	CG8303	FBgn0034143	
Dmoj\GI17568	FBgn0140312	Prx6005	FBgn0031479	Peroxiredoxin 6005
Dmoj\GI15383	FBgn0138132	CG9519	FBgn0030589	
Dmoj\GI24074	FBgn0146797	Ho	FBgn0037933	Heme oxygenase
Dmoj\GI14867	FBgn0137618	CG5321	FBgn0030575	
Dmoj\GI21510	FBgn0144240	CG7322	FBgn0030968	
Dmoj\GI16989	FBgn0139735	Cyp309a2	FBgn0041337	
Dmoj\GI10473	FBgn0133237	rdhB	FBgn0038946	retinol dehydrogenase B
Dmoj\GI20619	FBgn0143354	hgo	FBgn0040211	homogentisate 1,2-dioxygenase
Dmoj\GI15481	FBgn0138230	GstT3	FBgn0031117	Glutathione S transferase T3
Dmoj\GI23178	FBgn0145905	CG31559	FBgn0051559	
Dmoj\Desat2	FBgn0133248	Desat2	FBgn0043043	Desaturase 2
Dmoj\GI17664	FBgn0140405	Mco1	FBgn0032116	Multicopper oxidase-1
Dmoj\GI20008	FBgn0142744	CG17807	FBgn0034748	
Dmoj\GI17645	FBgn0140387	Adhr	FBgn0000056	Adh-related
Dmoj\GI12408	FBgn0135165	CG9314	FBgn0032061	
Dmoj\GI16117	FBgn0138866	Cyp4d1	FBgn0005670	Cytochrome P450-4d1
Dmoj\GI16116	FBgn0138865	Cyp4d1	FBgn0005670	Cytochrome P450-4d1
Dmoj\GI15376	FBgn0138125	CG9509	FBgn0030594	
Dmoj\GI11003	FBgn0133766	CG2254	FBgn0029994	
Dmoj\GI19441	FBgn0142179	CG10814	FBgn0033830	
Dmoj\GI17558	FBgn0140302	Cyp28a5	FBgn0028940	
Dmoj\GI11498	FBgn0134258	CG13473	FBgn0036442	
Dmoj\GI12897	FBgn0135654	ND-24L	FBgn0036706	NADH dehydrogenase (ubiquinone) 24 kDa subunit-like
Dmoj\GI20357	FBgn0143093	COX5BL	FBgn0031831	Cytochrome c oxidase subunit 5B-like
Dmoj\GI26293	FBgn0281030	ND-51L1	FBgn0034251	NADH dehydrogenase (ubiquinone) 51 kDa subunit-like 1
Dmoj\GI15072	FBgn0137822	COX4L	FBgn0033020	Cytochrome c oxidase subunit 4-like
Dmoj\GI14832	FBgn0137583	firI	FBgn0032405	firelighter
Dmoj\GI24212	FBgn0146935	CG7950	FBgn0260468	
Dmoj\GI21924	FBgn0144653	Cyp4ac1	FBgn0031693	
Dmoj\GI17672	FBgn0140413	CG7311	FBgn0028848	
Dmoj\GI20316	FBgn0143052	CG30275	FBgn0050275	
Dmoj\GI24862	FBgn0147582	CG9698	FBgn0039784	
Dmoj\GI17187	FBgn0139931	CG3597	FBgn0031417	
Dmoj\GI14956	FBgn0137707	CG40486	FBgn0263830	
Dmoj\GI19073	FBgn0141812	Acox57D-p	FBgn0034628	acyl-Coenzyme A oxidase at 57D proximal
Dmoj\GI18704	FBgn0141443	Cyp6a17	FBgn0015714	Cytochrome P450-6a17
Dmoj\GI24047	FBgn0146770	Cyp12e1	FBgn0037817	
Dmoj\GI12291	FBgn0135048	CG13902	FBgn0035166	
Dmoj\GI19238	FBgn0141977	Cyp6d2	FBgn0034756	
Dmoj\GI24131	FBgn0146854	sgII	FBgn0051472	sugarlethal
Dmoj\GI11604	FBgn0134364	CG7560	FBgn0036157	
Dmoj\GI21555	FBgn0144285	Cyp4s3	FBgn0030615	
Dmoj\GI12948	FBgn0135705	CG6034	FBgn0036750	
Dmoj\GI11974	FBgn0134731	se	FBgn0086348	sepia
Dmoj\GI20590	FBgn0143325	Cyp6g1	FBgn0025454	
Dmoj\GI15186	FBgn0137936	CG3842	FBgn0029866	
Dmoj\GI10146	FBgn0132912	COX5A	FBgn0019624	Cytochrome c oxidase subunit 5A
Dmoj\GI17627	FBgn0140371	cype	FBgn0015031	cyclope
Dmoj\GI22749	FBgn0145476	COX7A	FBgn0040529	Cytochrome c oxidase subunit 7A
Dmoj\Trx-2	FBgn0133846	Trx-2	FBgn0040070	thioredoxin-2
Dmoj\GI12250	FBgn0135007	CG12262	FBgn0035811	
Dmoj\GI17989	FBgn0140729	cl	FBgn0000318	clot
Dmoj\GI16584	FBgn0139332	CG14997	FBgn0035515	
Dmoj\GI11318	FBgn0134079	Cat	FBgn0000261	Catalase
Dmoj\GI16605	FBgn0139353	PHGPx	FBgn0035438	

Dmoj\GI11589	FBgn0134349	CG6084	FBgn0086254	
Dmoj\GI18148	FBgn0140887	CG6287	FBgn0032350	
Dmoj\GI24641	FBgn0147363	glob1	FBgn0027657	globin 1
Dmoj\GI18385	FBgn0141124	wal	FBgn0010516	walrus
Dmoj\GI15562	FBgn0138311	CG10962	FBgn0030073	
Dmoj\GI20198	FBgn0142934	Prx2540-2	FBgn0033518	Peroxiredoxin 2540-2
Dmoj\GI23694	FBgn0146420	pug	FBgn0020385	pugilist
Dmoj\GI26579	FBgn0281316	CG30022	FBgn0050022	
Dmoj\GI23165	FBgn0145892	CG9331	FBgn0032889	
Dmoj\GI17168	FBgn0139912	L2HGDH	FBgn0032729	L-2-hydroxyglutarate dehydrogenase
Dmoj\GI23880	FBgn0146605	Prx5	FBgn0038570	Peroxiredoxin 5
Dmoj\GI11069	FBgn0133832	Pgd	FBgn0004654	Phosphogluconate dehydrogenase
Dmoj\GI22545	FBgn0145273	Hph	FBgn0264785	HIF prolyl hydroxylase
Dmoj\GI11068	FBgn0133831	D2hgdh	FBgn0023507	D-2-hydroxyglutaric acid dehydrogenase
Dmoj\GI22727	FBgn0145454	CG5346	FBgn0038981	
Dmoj\GI19146	FBgn0141885	CG8399	FBgn0034067	
Dmoj\GI19860	FBgn0142597	Nox	FBgn0085428	NADPH oxidase
Dmoj\GI24725	FBgn0147447	Cyp9f3	FBgn0038034	
Dmoj\GI14608	FBgn0137359	GstT4	FBgn0030484	Glutathione S transferase T4
Dmoj\GI23851	FBgn0146576	Pxd	FBgn0004577	Peroxidase
Dmoj\GI23244	FBgn0145971	GILT1	FBgn0038149	Gamma-interferon-inducible lysosomal thiol reductase 1
Dmoj\GI13115	FBgn0135872	Eip71CD	FBgn0000565	Ecdysone-induced protein 28/29kD
Dmoj\GI24757	FBgn0147479	Mdh2	FBgn0262559	Malate dehydrogenase 2
Dmoj\GI11930	FBgn0134688	CG9674	FBgn0036663	
Dmoj\GI16236	FBgn0138985	CG17896	FBgn0023537	
Dmoj\GI20341	FBgn0143077	CG15093	FBgn0034390	
Dmoj\GI11829	FBgn0134588	CG3902	FBgn0036824	
Dmoj\Desat1	FBgn0133249	Desat1	FBgn0086687	Desaturase 1
Dmoj\GI22276	FBgn0145004	Gdh	FBgn0001098	Glutamate dehydrogenase
Dmoj\GI14919	FBgn0137670	Cyt-b5-r	FBgn0000406	Cytochrome b5-related
Dmoj\Adh2	FBgn0012567	Adh	FBgn0000055	Alcohol dehydrogenase
Dmoj\GI12682	FBgn0135439	ple	FBgn0005626	pale
Dmoj\GI13499	FBgn0136255	ND-51	FBgn0031771	NADH dehydrogenase (ubiquinone) 51 kDa subunit
Dmoj\GI11696	FBgn0134455	CG7430	FBgn0036762	
Dmoj\GI22037	FBgn0144766	ldh3b	FBgn0038922	Isocitrate dehydrogenase 3b
Dmoj\GI16551	FBgn0139299	UQCR-C2	FBgn0250814	Ubiquinol-cytochrome c reductase core protein 2
Dmoj\GI23793	FBgn0146518	ND-MLRQ	FBgn0052230	NADH dehydrogenase (ubiquinone) MLRQ subunit
Dmoj\GI17532	FBgn0140276	Gpdh	FBgn0001128	Glycerol 3 phosphate dehydrogenase
Dmoj\GI13905	FBgn0136659	Tet	FBgn0263392	Ten-Eleven Translocation (TET) family protein
Dmoj\GI12153	FBgn0134910	CG1275	FBgn0035321	
Dmoj\GI16833	FBgn0139580	Dhpr	FBgn0035964	Dihydropteridine reductase
Dmoj\GI24244	FBgn0146967	Men	FBgn0002719	Malic enzyme
Dmoj\GI12765	FBgn0135522	CG10863	FBgn0027552	
Dmoj\GI12904	FBgn0135661	ND-SGDH	FBgn0011455	NADH dehydrogenase (ubiquinone) SGDH subunit
Dmoj\GI11212	FBgn0133973	UQCR-14L	FBgn0039576	Ubiquinol-cytochrome c reductase 14 kDa subunit-like
Dmoj\GI19303	FBgn0142042	SdhB	FBgn0014028	Succinate dehydrogenase, subunit B (iron-sulfur)
Dmoj\GI22813	FBgn0145540	Prx3	FBgn0038519	Peroxiredoxin 3
Dmoj\GI14857	FBgn0137608	CG12116	FBgn0030041	
Dmoj\GI19578	FBgn0142315	CG5493	FBgn0034364	
Dmoj\GI19152	FBgn0141891	Asph	FBgn0034075	Aspartyl beta-hydroxylase
Dmoj\GI16427	FBgn0139175	COX6B	FBgn0031066	Cytochrome c oxidase subunit 6B
Dmoj\CtBP	FBgn0146084	CtBP	FBgn0020496	C-terminal Binding Protein
Dmoj\GI23201	FBgn0145928	Men-b	FBgn0029155	Malic enzyme b
Dmoj\GI13568	FBgn0136323	CG7470	FBgn0037146	
Dmoj\GI23575	FBgn0146301	CG3999	FBgn0037801	
Dmoj\GI11531	FBgn0134291	Cpr	FBgn0015623	Cytochrome P450 reductase
Dmoj\Adh1	FBgn0012566	Adh	FBgn0000055	Alcohol dehydrogenase
Dmoj\GI12492	FBgn0135249	ldh	FBgn0001248	Isocitrate dehydrogenase
Dmoj\GI13269	FBgn0136026	Nc73EF	FBgn0010352	Neural conserved at 73EF
Dmoj\GI13115	FBgn0135872	Eip71CD	FBgn0000565	Ecdysone-induced protein 28/29kD
Dmoj\GI17663	FBgn0140404	Aldh	FBgn0012036	Aldehyde dehydrogenase
Dmoj\Adh2	FBgn0012567	Adh	FBgn0000055	Alcohol dehydrogenase
Dmoj\GI17665	FBgn0140406	Fbp2	FBgn0000640	Fat body protein 2
Dmoj\GI22321	FBgn0145049	CG1544	FBgn0039827	
Dmoj\GI16197	FBgn0138946	CG6762	FBgn0030876	
Dmoj\GI12839	FBgn0135596	Pxn	FBgn0011828	Peroxidasin

Dmoj\GI14070	FBgn0136824	ND-B22	FBgn0032511	NADH dehydrogenase (ubiquinone) B22 subunit
Dmoj\GI17845	FBgn0140586	CG9265	FBgn0032910	
Dmoj\GI22556	FBgn0145284	Kdm2	FBgn0037659	Lysine (K)-specific demethylase 2
Dmoj\GI18700	FBgn0141439	N/A	N/A	N/A
Dmoj\GI15385	FBgn0138134	CG12539	FBgn0030586	
Dmoj\GI19427	FBgn0142165	PPO2	FBgn0033367	Prophenoloxidase 2
Dmoj\GI22625	FBgn0145353	SdhC	FBgn0037873	Succinate dehydrogenase, subunit C
Dmoj\GI10356	FBgn0133120	Ssadh	FBgn0039349	Succinic semialdehyde dehydrogenase
Dmoj\GI24093	FBgn0146816	ND-23	FBgn0017567	NADH dehydrogenase (ubiquinone) 23 kDa subunit
Dmoj\GI20381	FBgn0143117	CG2065	FBgn0033204	
Dmoj\GI17642	FBgn0140386	N/A	N/A	N/A
Dmoj\GI24740	FBgn0147462	Cyp6d5	FBgn0038194	
Dmoj\GI15204	FBgn0137953	Eo	FBgn0030597	Ecdysone oxidase
Dmoj\GI14858	FBgn0137609	Sptr	FBgn0014032	Sepiapterin reductase
Dmoj\GI15384	FBgn0138133	CG9522	FBgn0030587	
Dmoj\GI17433	FBgn0140177	Cyp6t1	FBgn0031182	
Dmoj\GI15906	FBgn0138655	CG4586	FBgn0029924	
Dmoj\GI19287	FBgn0142026	PPO1	FBgn0283437	Prophenoloxidase 1
Dmoj\GI13193	FBgn0135950	lyd	FBgn0036125	Iodotyrosine deiodinase
Dmoj\GI21687	FBgn0144417	CG33177	FBgn0053177	
Dmoj\GI18650	FBgn0141389	Cyp4p1	FBgn0015037	Cytochrome P450-4p1
Dmoj\GI23955	FBgn0146679	Pxt	FBgn0261987	Peroxinectin-like
Dmoj\GI14225	FBgn0136978	AlkB	FBgn0065035	
Dmoj\GI24027	FBgn0146750	CG42331	FBgn0259233	
Dmoj\GI23191	FBgn0145918	GILT2	FBgn0039099	Gamma-interferon-inducible lysosomal thiol reductase 2
Dmoj\GI10563	FBgn0133327	lox	FBgn0039848	lysyl oxidase-like
Dmoj\GI15373	FBgn0138122	CG12398	FBgn0030596	
Dmoj\GI17600	FBgn0140344	CG10495	FBgn0032750	
Dmoj\GI22554	FBgn0145282	CG14882	FBgn0038429	
Dmoj\GI21954	FBgn0144683	N/A	N/A	N/A
Dmoj\GI15210	FBgn0137959	Cyp28c1	FBgn0030339	
Dmoj\GI10766	FBgn0133529	CG13833	FBgn0039040	
Dmoj\GI22938	FBgn0145665	Sodh-2	FBgn0022359	Sorbitol dehydrogenase-2
Dmoj\GI14338	FBgn0137091	CG12206	FBgn0029662	
Dmoj\GI18701	FBgn0141440	Cyp6a22	FBgn0013773	
GST				
Dmoj\GI14608	FBgn0137359	GstT4	FBgn0030484	Glutathione S transferase T4
Dmoj\GI20122	FBgn0142858	GstE8	FBgn0063492	Glutathione S transferase E8
Dmoj\GI11973	FBgn0134730	GstO3	FBgn0035904	Glutathione S transferase O3
Dmoj\GI23596	FBgn0146322	GstZ2	FBgn0037697	Glutathione S transferase Z2
Dmoj\GI24379	FBgn0147102	GstD1	FBgn0001149	Glutathione S transferase D1
Dmoj\GI22354	FBgn0145082	GstD10	FBgn0042206	Glutathione S transferase D10
Dmoj\GI15481	FBgn0138230	GstT3	FBgn0031117	Glutathione S transferase T3
Dmoj\GI20123	FBgn0142859	GstE8	FBgn0063492	Glutathione S transferase E8
Dmoj\GI20133	FBgn0142869	GstE11	FBgn0034354	Glutathione S transferase E11
Dmoj\GI20124	FBgn0142860	GstE9	FBgn0063491	Glutathione S transferase E9
Dmoj\GI24095	FBgn0146818	GstE1	FBgn0034335	Glutathione S transferase E1
Dmoj\GI11974	FBgn0134731	se	FBgn0086348	sepia
Dmoj\GI20121	FBgn0142857	GstE4	FBgn0063496	Glutathione S transferase E4
GT				
Dmoj\GI13183	FBgn0135940	pgant4	FBgn0051956	polypeptide GalNAc transferase 4
Dmoj\GI19414	FBgn0142152	GalNAc-T1	FBgn0034025	
Dmoj\GI22062	FBgn0144791	Tps1	FBgn0027560	Trehalose-6-phosphate synthase 1
Dmoj\GI10204	FBgn0132970	kkv	FBgn0001311	krotzkopf verkehrt
Dmoj\GI11811	FBgn0134570	CG3797	FBgn0036842	
Dmoj\GI15586	FBgn0138335	GalNAc-T2	FBgn0030930	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2
Dmoj\GI17059	FBgn0139804	Ugt36Bc	FBgn0040260	
Dmoj\GI17058	FBgn0139803	Ugt37c1	FBgn0026754	UDP-glycosyltransferase 37c1
Dmoj\GI22630	FBgn0145358	N/A	N/A	N/A
Dmoj\GI17446	FBgn0140190	CG8708	FBgn0033271	
Dmoj\GI20943	FBgn0143677	CG17324	FBgn0027074	
Dmoj\GI18315	FBgn0141054	CG10178	FBgn0032684	
Dmoj\GI14134	FBgn0136888	CG10178	FBgn0032684	
Dmoj\GI25533	FBgn0280270	C1GalTA	FBgn0032078	Core 1 Galactosyltransferase A

Dmoj\GI21097	FBgn0143829	alpha4GT2	FBgn0039378	
Dmoj\GI21086	FBgn0143818	alpha4GT2	FBgn0039378	
Dmoj\GI10202	FBgn0132968	CG10166	FBgn0032799	
Dmoj\GI26170	FBgn0280907	CG31915	FBgn0051915	
Dmoj\GI11501	FBgn0134261	CG9384	FBgn0036446	
Dmoj\GI10120	FBgn0132886	Ugt86Da	FBgn0040259	
Dmoj\GI23664	FBgn0146390	GlyS	FBgn0266064	Glycogen synthase
Dmoj\GI16320	FBgn0139068	FucT6	FBgn0030327	alpha1,6-fucosyltransferase
Dmoj\GI26852	FBgn0281589	shams	FBgn0039273	
Dmoj\GI16970	FBgn0139716	PIG-M	FBgn0034649	Phosphatidylinositol glycan anchor biosynthesis class M
Dmoj\GI13955	FBgn0136709	CG11306	FBgn0037108	
Dmoj\GI11290	FBgn0134051	CG9109	FBgn0031765	
Dmoj\GI15728	FBgn0138477	tgy	FBgn0030984	twigg
Dmoj\GI14641	FBgn0137392	GlyP	FBgn0004507	Glycogen phosphorylase
ABC				
Dmoj\GI10293	FBgn0133058	Mrp4	FBgn0263316	Multidrug resistance protein 4
Dmoj\GI17158	FBgn0139902	CG7806	FBgn0032018	
Dmoj\GI19745	FBgn0142482	CG10505	FBgn0034612	
Dmoj\GI17952	FBgn0140692	CG9664	FBgn0031515	
Dmoj\GI26060	FBgn0280797	Mdr50	FBgn0010241	Multi drug resistance 50
Dmoj\GI10294	FBgn0133059	Mrp4	FBgn0263316	Multidrug resistance protein 4
Dmoj\GI17271	FBgn0140015	CG17646	FBgn0264494	
Dmoj\GI16213	FBgn0138962	CG4822	FBgn0031220	
Dmoj\GI22239	FBgn0144967	CG9990	FBgn0039594	
Dmoj\GI21108	FBgn0143840	CG8908	FBgn0034493	
Dmoj\GI15338	FBgn0138087	Pmp70	FBgn0031069	Peroxisomal Membrane Protein 70 kDa
Dmoj\GI19571	FBgn0142308	Mdr49	FBgn0004512	Multi drug resistance 49
Dmoj\GI14505	FBgn0137257	MRP	FBgn0032456	Multidrug-Resistance like Protein 1
Dmoj\GI15918	FBgn0138667	E23	FBgn0020445	Early gene at 23
Dmoj\GI16191	FBgn0138940	CG3164	FBgn0025683	
Dmoj\GI14078	FBgn0136832	CG2316	FBgn0039890	
Dmoj\GI10292	FBgn0133057	Mrp4	FBgn0263316	Multidrug resistance protein 4
Dmoj\GI14446	FBgn0137198	CG6052	FBgn0036747	
Dmoj\GI18234	FBgn0140973	CG31731	FBgn0028539	
Dmoj\GI14445	FBgn0137197	CG1801	FBgn0031171	
Dmoj\GI15666	FBgn0138415	CG43672	FBgn0263747	
Dmoj\GI15918	FBgn0138667	E23	FBgn0020445	Early gene at 23
Dmoj\GI22672	FBgn0145400	CG5789	FBgn0039207	
Dmoj\GI15800	FBgn0138549	CG1703	FBgn0030321	
TOP100				
Dmoj\GI20228	FBgn0142964	Cyp6a2	FBgn0000473	Cytochrome P450-6a2
Dmoj\GI20230	FBgn0142966	Cyp6a2	FBgn0000473	Cytochrome P450-6a2
Dmoj\GI19441	FBgn0142179	CG10814	FBgn0033830	
Dmoj\GI10294	FBgn0133059	Mrp4	FBgn0263316	Multidrug resistance protein 4
Dmoj\GI24222	FBgn0146945	Uro	FBgn0003961	Urate oxidase
Dmoj\GI12947	FBgn0135704	CG6034	FBgn0036750	
Dmoj\GI23350	FBgn0146077	Cyp304a1	FBgn0038095	
Dmoj\GI24740	FBgn0147462	Cyp6d5	FBgn0038194	
Dmoj\5.8SrRNA:	FBgn0253215	N/A	N/A	N/A
Dmoj\5.8SrRNA:	FBgn0253216	N/A	N/A	N/A
Dmoj\5.8SrRNA:	FBgn0253199	N/A	N/A	N/A
Dmoj\5.8SrRNA:	FBgn0253266	N/A	N/A	N/A
Dmoj\5.8SrRNA:	FBgn0253226	N/A	N/A	N/A
Dmoj\GI14997	FBgn0137748	CG3699	FBgn0040349	
Dmoj\GI25559	FBgn0280296	CG34330	FBgn0085359	
Dmoj\GI20115	FBgn0142851	IM2	FBgn0025583	Immune induced molecule 2
Dmoj\GI22465	FBgn0145193	CG4860	FBgn0037999	
Dmoj\GI25964	FBgn0280701	N/A	N/A	N/A
Dmoj\GI19567	FBgn0142304	CG13323	FBgn0033788	
Dmoj\GI19038	FBgn0141777	CG3292	FBgn0034710	
Dmoj\GI25740	FBgn0280477	N/A	N/A	N/A
Dmoj\GI24785	FBgn0147507	N/A	N/A	N/A
Dmoj\GI14471	FBgn0137223	N/A	N/A	N/A

Dmoj\GI19427	FBgn0142165	PPO2	FBgn0033367	Prophenoloxidase 2
Dmoj\GI13492	FBgn0136248	CG6839	FBgn0036831	
Dmoj\GI20444	FBgn0143180	KdelR	FBgn0267330	KDEL receptor
Dmoj\GI13547	FBgn0136302	CG9629	FBgn0036857	
Dmoj\GI24288	FBgn0147011	CG31233	FBgn0051233	
Dmoj\GI13889	FBgn0136643	CG14989	FBgn0035495	
Dmoj\GI18891	FBgn0141630	Cht4	FBgn0022700	Chitinase 4
Dmoj\GI11911	FBgn0134669	CG11796	FBgn0036992	
Dmoj\GI23284	FBgn0146011	CG6277	FBgn0039475	
Dmoj\GI23290	FBgn0146017	CG6283	FBgn0039474	
Dmoj\GI24854	FBgn0147574	CG15533	FBgn0039768	
Dmoj\GI23289	FBgn0146016	N/A	N/A	N/A
Dmoj\GI24076	FBgn0146799	CG14718	FBgn0037939	
Dmoj\GI20529	FBgn0143265	loopin-1	FBgn0259795	
Dmoj\GI22439	FBgn0145167	CG4836	FBgn0270925	
Dmoj\GI23599	FBgn0146325	N/A	N/A	N/A
Dmoj\GI12914	FBgn0135671	S-Lap1	FBgn0035915	Sperm-Leucylaminopeptidase 1
Dmoj\GI18241	FBgn0140980	b	FBgn0000153	black
Dmoj\GI10839	FBgn0133602	e	FBgn0000527	ebony
Dmoj\GI11700	FBgn0134459	CG7906	FBgn0036417	
Dmoj\GI11699	FBgn0134458	CG7924	FBgn0036416	
Dmoj\GI24176	FBgn0146899	CG13606	FBgn0039161	
Dmoj\GI20472	FBgn0143208	CG9822	FBgn0034623	
Dmoj\GI13134	FBgn0135891	Eip78C	FBgn0004865	Ecdysone-induced protein 78C
Dmoj\GI20285	FBgn0143021	Achl	FBgn0033936	Achilles
Dmoj\GI17558	FBgn0140302	Cyp28a5	FBgn0028940	
Dmoj\GI16995	FBgn0139741	CG34447	FBgn0085476	
Dmoj\GI11772	FBgn0134531	N/A	N/A	N/A
Dmoj\GI13604	FBgn0136359	CG34244	FBgn0085273	
Dmoj\GI22046	FBgn0144775	CG4408	FBgn0039073	
Dmoj\GI20266	FBgn0143002	kermit	FBgn0010504	
Dmoj\GI10664	FBgn0133428	N/A	N/A	N/A
Dmoj\GI10838	FBgn0133601	e	FBgn0000527	ebony
Dmoj\GI12534	FBgn0135291	CG16758	FBgn0035348	
Dmoj\GI23038	FBgn0145765	Npc2b	FBgn0038198	Niemann-Pick type C-2b
Dmoj\GI11471	FBgn0134232	S-Lap3	FBgn0045770	Sperm-Leucylaminopeptidase 3
Dmoj\GI21075	FBgn0143807	CG9253	FBgn0032919	
Dmoj\GI17762	FBgn0140503	CG3513	FBgn0031559	
Dmoj\GI11244	FBgn0134005	N/A	N/A	N/A
Dmoj\GI12225	FBgn0134982	mex1	FBgn0004228	midgut expression 1
Dmoj\GI23278	FBgn0146005	Cpr97Eb	FBgn0039481	Cuticular protein 97Eb
Dmoj\GI16741	FBgn0139489	CG33282	FBgn0053282	
Dmoj\GI25812	FBgn0280549	N/A	N/A	N/A
Dmoj\GI26094	FBgn0280831	CecC	FBgn0000279	Cecropin C
Dmoj\GI26684	FBgn0281421	N/A	N/A	N/A
Dmoj\GI24064	FBgn0146787	CG12224	FBgn0037974	
Dmoj\GI20159	FBgn0142895	CG15098	FBgn0034398	
Dmoj\GI10658	FBgn0133422	N/A	N/A	N/A
Dmoj\GI20083	FBgn0142819	CG13748	FBgn0033355	
Dmoj\GI22425	FBgn0145153	N/A	N/A	N/A
Dmoj\GI23250	FBgn0145977	poly	FBgn0086371	
Dmoj\GI17330	FBgn0140074	TfIIIS	FBgn0010422	RNA polymerase II elongation factor
Dmoj\GI19218	FBgn0141957	CG33998	FBgn0053998	
Dmoj\GI13751	FBgn0136506	Cpr78E	FBgn0037114	Cuticular protein 78E
Dmoj\GI10662	FBgn0133426	N/A	N/A	N/A
Dmoj\GI14221	FBgn0136974	Gbeta13F	FBgn0001105	G protein beta-subunit 13F
Dmoj\GI23249	FBgn0145976	Lip3	FBgn0023495	
Dmoj\GI12604	FBgn0135361	CG7953	FBgn0028533	
Dmoj\GI17402	FBgn0140146	CG8997	FBgn0028920	
Dmoj\GI23291	FBgn0146018	CG6295	FBgn0039471	
Dmoj\GI12593	FBgn0135350	CG7916	FBgn0028534	
Dmoj\GI27063	FBgn0281800	N/A	N/A	N/A
Dmoj\GI26336	FBgn0281073	N/A	N/A	N/A
Dmoj\GI20122	FBgn0142858	GstE8	FBgn0063492	Glutathione S transferase E8
Dmoj\GI12734	FBgn0135491	CG11350	FBgn0035552	
Dmoj\GI12733	FBgn0135490	CG7465	FBgn0035551	

Dmoj\GI15268	FBgn0138017	Shmt	FBgn0029823	Serine hydroxymethyl transferase
Dmoj\GI21533	FBgn0144263	Sec61gamma	FBgn0031049	Sec61 gamma subunit
Dmoj\GI26057	FBgn0280794	N/A	N/A	N/A
Dmoj\GI22470	FBgn0145198	CG43673	FBgn0263748	
Dmoj\GI19511	FBgn0142249	Lcp9	FBgn0025578	Larval cuticle protein 9
Dmoj\GI20905	FBgn0143639	Lcp1	FBgn0002531	Larval cuticle protein 1
Dmoj\GI25804	FBgn0280541	Lcp1	FBgn0002531	Larval cuticle protein 1
Dmoj\GI20899	FBgn0143633	Lcp1	FBgn0002531	Larval cuticle protein 1
Dmoj\GI16761	FBgn0139509	LysB	FBgn0004425	Lysozyme B
Dmoj\GI20904	FBgn0143638	Lcp1	FBgn0002531	Larval cuticle protein 1
Dmoj\GI12682	FBgn0135439	ple	FBgn0005626	pale