Table S6. List of top 54 most significant differentially expressed genes in zebrafish that were missed in mammalian studies with a stringent cutoff (base mean count>1000, fold change>8). Fold changes were based on log2 fold of the expression in wildtype to those in Pgr-KO. Genes were listed in the order of significance by their adjusted p-value. Mm: Mus musculus; Dr: Danio rerio.

Ensembl(Mm)	geneSymbol(Mm)		geneSymbol(Dr)	baseMean	log2FoldChange	padj
ENSMUSG00000027750	POSTN	ENSDARG00000061219	postnb	2300.9635	5.907007999	3.77E-72
ENSMUSG00000020439	SMTN	ENSDARG00000074652	smtna	3356.0377	6.823364519	1.93E-55
ENSMUSG00000020651	SLC26A4	ENSDARG00000069431	slc26a4	19657.606	7.026858994	1.07E-53
ENSMUSG00000016344	PPDPF	ENSDARG00000007682	ppdpfa	1296.5936	4.713255532	1.33E-47
ENSMUSG00000030494	RHPN2	ENSDARG00000014577	rhpn2	4165.1438	4.997510686	1.91E-46
ENSMUSG00000026596	ABL2	ENSDARG00000013841	abl2	3639.7721	4.512263583	6.82E-46
ENSMUSG00000052512	NAV2	ENSDARG00000073688	NAV2 (2 OF 2)	6602.6978	4.993986271	1.8E-45
ENSMUSG00000000266	MID2	ENSDARG00000086722	N/A	1748.5119	5.00923686	8.45E-41
ENSMUSG00000039384	DUSP10	ENSDARG00000078317	si:dkey-175m17.7	1168.5849	4.860205459	1.25E-39
ENSMUSG00000027513	PCK1	ENSDARG00000013522	pck1	2317.4321	5.812460587	3.98E-39
ENSMUSG00000037035	INHBB	ENSDARG00000040777	inhbb	1056.4502	4.613664868	1.52E-38
ENSMUSG00000011463	CPB1	ENSDARG00000077688	cpo	1050.2136	6.62100761	4.41E-38
ENSMUSG00000041301	CFTR	ENSDARG00000041107	cftr	17651.103	5.073931178	3.67E-37
ENSMUSG00000006345	GGT1	ENSDARG00000023526	ggt1a	4047.2602	4.525976651	2E-35
ENSMUSG00000044636	CSRNP2	ENSDARG00000031426	csrnp1a	1051.7478	4.293174341	3.61E-34
ENSMUSG00000036206	SH3BP4	ENSDARG00000020000	sh3bp4a	7519.8781	4.953842264	1.65E-32
ENSMUSG00000024552	SLC14A2	ENSDARG00000051914	slc14a2	2860.5246	5.547785756	1.71E-32
ENSMUSG00000090053	PALM2	ENSDARG00000069608	palm2	4744.3467	4.309176361	1.77E-31
ENSMUSG00000022075	RHOBTB2	ENSDARG00000016868	rhobtb2a	2929.8103	5.896533118	4.28E-31
ENSMUSG00000032010	USP2	ENSDARG00000020107	usp2a	1135.0995	4.048150389	5.54E-30
ENSMUSG00000035112	WNK4	ENSDARG00000088967	si:dkeyp-61g11.1	2423.6777	4.600603097	4.2E-25
ENSMUSG00000025969	NRP2	ENSDARG00000038446	nrp2b	1332.765	3.86739867	6.09E-25
ENSMUSG00000018677	SLC25A39	ENSDARG00000007449	slc25a39	1828.7337	3.901319003	1.45E-24
ENSMUSG00000030852	TACC2	ENSDARG00000062790	TACC2	1632.4721	4.806050415	6.06E-24
ENSMUSG00000048911	RNF24	ENSDARG00000036965	rnf24	2446.9147	3.728104951	7.83E-24
ENSMUSG00000102455	TMEM150A	ENSDARG00000057440	si:dkey-228d14.5	16055.58	4.435365296	8.49E-24
ENSMUSG00000029234	TMEM165	ENSDARG00000034600	tmem165	1358.2226	3.194113361	8.14E-23
ENSMUSG00000074622	MAFB	ENSDARG00000017121	mafba	10269.015	3.985542115	1.96E-22
ENSMUSG00000024620	PDGFRB	ENSDARG00000057345	pdgfrb	11660.914	5.016794741	4.38E-22
ENSMUSG00000063358	MAPK1	ENSDARG00000027552	mapk1	1885.0528	4.615874845	4.77E-22
ENSMUSG00000042688	MAPK6	ENSDARG00000032103	mapk6	6851.223	3.766879583	6.57E-21
ENSMUSG00000030539	SEMA4B	ENSDARG00000074414	sema4ba	3626.3112	3.645953022	6.91E-21
ENSMUSG00000039046	USP6NL	ENSDARG00000051836	si:dkeyp-19e1.3	1044.7474	3.623391075	1.36E-19
ENSMUSG00000031523	DLC1	ENSDARG00000079317	DLC1	13590.554	3.278520393	6.85E-19
ENSMUSG00000042942	GREB1L	ENSDARG00000039196	greb1l	3626.3409	3.753655823	9.16E-19
ENSMUSG00000027523	GNAS	ENSDARG00000075850	gnal2	1277.8929	3.66178578	4.73E-18
ENSMUSG00000027333	SMOX	ENSDARG00000036967	smox	5293.0492	4.322427387	5.87E-18
ENSMUSG00000016458	WT1	ENSDARG00000031420	wt1a	3444.2047	4.171993037	1.01E-17
ENSMUSG00000029385	CCNG2	ENSDARG00000017602	ccng2	1693.4697	3.176997218	6.69E-17
ENSMUSG00000036306	LZTS1	ENSDARG00000074597	lzts2a	1949.9997	3.774951765	7.39E-17
ENSMUSG00000042289	HSD3B7	ENSDARG00000036966	hsd3b7	9568.2249	3.148190835	2.54E-15
ENSMUSG00000026883	DAB2IP	ENSDARG00000075110	dab2ipb	2919.9432	3.580603889	1.46E-14
ENSMUSG00000036565	TTYH3	ENSDARG00000034473	ttyh3a	2623.5573	4.274336522	1.68E-14
ENSMUSG00000018476	KDM6B	ENSDARG00000088087	KDM6B	16785.286	3.162841739	4.02E-14
ENSMUSG00000026475	RGS16	ENSDARG00000040177	rgs16	2312.6525	3.912847537	6.19E-14
ENSMUSG00000033948	ZSWIM5	ENSDARG00000055900	zswim5	5052.5757	3.013307184	9.49E-14
ENSMUSG00000030275	ETNK1	ENSDARG00000019420	etnk1	10622.723	3.053367677	9.77E-14
ENSMUSG00000048756	FOXO3	ENSDARG00000042904	foxo3b	1418.1312	3.735637711	2.72E-13
ENSMUSG00000040857	ERF	ENSDARG00000063417	erf	2276.0437	3.199598687	3.01E-13
ENSMUSG00000030111	A2M	ENSDARG00000078183	zgc:165453	1070.8347	-3.307305287	3.16E-13
ENSMUSG00000030747	DGAT2	ENSDARG00000018846	dgat2	3381.2799	3.060871293	3.3E-13
ENSMUSG00000020023	TMCC3	ENSDARG00000045525	tmcc3	2664.8949	3.30620159	5.84E-13
ENSMUSG00000021109	HIF1A	ENSDARG00000041169	hif1al	9990.1974	3.687638242	1.43E-12
ENSMUSG00000021733	SLC4A7	ENSDARG00000073952	SLC4A7	1808.6347	3.051030771	4.82E-12