

Table S3. ChIRP-MS data table.

Gene Symbol	KO hits	WT hits Even probes	WT hits Odd probes	WT hits Average	Fold change (WT vs. KO)
Act88F	0	73	18	46	/
Prm	0	28	9	18	/
Mf	0	7	17	12	/
Mfe2	0	18	6	12	/
CT9894/CG2918	0	16	3	10	/
beta-Spec	0	15	3	9	/
Tudor-SN	0	15	2	9	/
Actn	0	16	1	9	/
Chc	0	14	2	8	/
Aldh-III	0	13	2	8	/
Rab1	0	13	2	7	/
mfas	0	11	2	7	/
Cyp6d5	0	10	3	6	/
RpS9	0	10	3	6	/
zip	0	13	0	6	/
RpL18A	0	10	2	6	/
Dip-B	0	8	4	6	/
Gpo1	0	11	1	6	/
Acsl	0	10	2	6	/
ATPsynB	0	10	2	6	/
Fim	0	9	2	6	/
Mitofilin	0	8	3	5	/
Myo61F	0	11	0	5	/
ND-39	0	11	0	5	/
CT33083	0	9	2	5	/
CG2663	0	8	2	5	/
Past1	0	8	2	5	/
Got1	0	8	2	5	/
RpL23	0	8	2	5	/
betaTub97EF	0	7	3	5	/
CG5364	0	7	3	5	/
S-Lap2	0	7	3	5	/
eEF1beta	0	7	3	5	/
RFeSP-RA	0	7	3	5	/
cora	0	2	7	5	/
axo	0	10	0	5	/
CG32203-RB	0	9	1	5	/
nrv1	0	8	2	5	/

CaBP1	0	7	2	5	/
RpL14	0	7	2	5	/
EbpII	0	7	2	5	/
CCT2	0	6	3	5	/
Hsp60B	0	9	0	4	/
bt	0	9	0	4	/
GCS2alpha	0	9	0	4	/
Inos	0	9	0	4	/
RpL5	0	9	0	4	/
RpL8	0	8	1	4	/
VhaAC39-1	0	8	1	4	/
Ost48	0	7	2	4	/
CG5355	0	7	2	4	/
CT40966	0	7	2	4	/
RpL26	0	7	2	4	/
CG9911	0	6	2	4	/
BEST:CK00496	0	6	2	4	/
CG4692	0	6	2	4	/
Mp20	0	5	3	4	/
fau	0	2	6	4	/
Treh	0	8	0	4	/
Mpcp1	0	8	0	4	/
Prosalph6	0	8	0	4	/
CCT8	0	7	1	4	/
CT41369	0	7	1	4	/
CG5009	0	7	1	4	/
Spase25	0	7	1	4	/
Calr	0	6	2	4	/
hts	0	6	2	4	/
Hsp23	0	6	2	4	/
BcDNA:LP12049	0	6	2	4	/
Rpt2	0	6	2	4	/
PMCA	0	6	2	4	/
Eip55E	0	6	2	4	/
RpL15	0	6	2	4	/
mil	0	5	2	4	/
lectin-46Ca	0	5	2	4	/
Ran	0	5	2	4	/
Pdi	0	5	2	4	/
RpS13	0	3	4	4	/
alphaCOP	0	7	0	3	/
Sc2-RA	0	7	0	3	/
CG9314	0	7	0	3	/

eIF2gamma	0	7	0	3	/
CG34051-RA	0	7	0	3	/
Hsp68	0	7	0	3	/
Jafrac2	0	7	0	3	/
Qsox2	0	6	1	3	/
Aats-gly-RB	0	6	1	3	/
eIF3a	0	5	2	3	/
CG5261	0	5	2	3	/
Rab11	0	5	2	3	/
RpS23	0	4	2	3	/
Rpn3	0	4	2	3	/
BEST:GH13953	0	2	4	3	/
CCT3	0	6	0	3	/
Alp4	0	6	0	3	/
Rpn6	0	6	0	3	/
sls	0	6	0	3	/
Cyp4d14	0	6	0	3	/
Shmt	0	6	0	3	/
ATPsynbetaL	0	6	0	3	/
MSBP	0	6	0	3	/
AnxB9	0	5	1	3	/
Cyp312a1	0	5	1	3	/
Jheh2	0	5	1	3	/
Pebp1	0	5	1	3	/
zda	0	5	1	3	/
Irp-1B	0	5	1	3	/
RpS19a	0	5	1	3	/
Vap33	0	5	1	3	/
mesh	0	5	1	3	/
blanks	0	5	1	3	/
twr	0	5	1	3	/
Kr-h2	0	5	1	3	/
CG6071	0	5	1	3	/
CG9997	0	5	1	3	/
eIF4E1	0	5	1	3	/
Tctp	0	4	2	3	/
CG1902	0	4	2	3	/
Sfp24F	0	4	2	3	/
Pka-R2	0	4	2	3	/
RpL10	0	4	2	3	/
RpS25	0	4	2	3	/
CG5174	0	4	2	3	/
142335_at	0	3	2	3	/

CG31680	0	3	2	3	/
RpLP2	0	2	3	3	/
LamC	0	2	3	3	/
CG1648	0	1	4	3	/
CG45076	0	0	5	2	/
Obp44a	1	33	3	18	18.00
alpha-Spec	1	24	4	14	14.09
RpL19	1	26	1	13	13.39
CG17093	3	54	12	33	11.04
Fatp	1	13	2	8	7.97
Tm1	3	28	17	22	7.40
CG5845	1	10	5	7	7.29
Mlc2	1	3	10	6	6.40
Uba1	1	13	0	7	6.73
exu	1	12	2	7	6.60
Mal-A1	1	11	2	6	6.11
GstD1	1	9	2	6	5.57
Mhc	17	121	56	89	5.22
alphaTub85E	4	38	3	21	5.22
VhaSFD	1	11	0	5	5.29
Cpr	1	11	0	5	5.29
Dmel\CG4706	1	9	2	5	5.15
Mpcp2	2	14	4	9	4.64
Dmel\CG4546	2	11	7	9	4.30
Act79B	12	80	23	51	4.29
Gdi	2	14	2	8	4.23
CG10407-RA	1	9	0	4	4.33
HIP	1	6	2	4	4.12
38D.23	1	6	2	4	4.12
RpS18	1	6	2	4	4.12
ATPsynD	1	6	2	4	4.12
His4	1	5	3	4	4.06
CG6663-RA	19	119	36	78	4.09
up	2	12	4	8	3.92
Prx2540-1	2	8	7	8	3.78
CG17097	13	76	25	50	3.88
ATPsyngamma	6	42	5	24	3.94
Tm2	3	15	7	11	3.67
scpr-A	2	14	1	8	3.81
/	2	12	3	7	3.71
Vha100-2	2	10	5	7	3.64
RpS7	2	9	6	7	3.61
Trxr-1	1	8	0	4	3.85

CG31075	1	8	0	4	3.85
Prosalpha4	1	6	2	4	3.71
S-Lap7	1	6	2	4	3.71
RpS10b	1	6	2	4	3.71
mt:CoII	1	6	2	4	3.71
Ebp	6	22	19	21	3.43
RpS4	2	14	0	7	3.61
CG4847-RD	2	13	2	7	3.54
Acp36DE	66	309	128	218	3.31
Psa	2	11	2	7	3.26
CG6726	2	10	3	6	3.23
CCT7	1	7	0	3	3.37
ND-20	1	7	0	3	3.37
Dmel\CG9331	1	6	1	3	3.30
loopin-1	1	5	2	3	3.23
Mhc-RB	1	5	2	3	3.23
CG34130-RA	1	4	2	3	3.16
Cyp4g1	3	14	4	9	3.09
Spn38F	9	39	15	27	3.02
CG17242	2	11	2	6	3.06
UQCR-C1	5	27	3	15	3.02
Acp76A	5	24	6	15	2.98
lectin-29Ca	5	19	10	15	2.91
RpLP0	3	11	7	9	2.86
Cat	4	15	7	11	2.75
AOX1	2	8	3	5	2.75
CT12127	1	6	0	3	2.88
awd	1	5	1	3	2.82
Rpt5	1	5	1	3	2.82
capt	1	5	1	3	2.82
Aats-ala	1	5	1	3	2.82
nudC	1	5	1	3	2.82
6888	1	4	2	3	2.75
Stip1	1	4	2	3	2.75
21430192	1	4	2	3	2.75
Roe1	1	4	2	3	2.75
ND-SGDH	1	3	2	3	2.68
Sar1	1	3	2	3	2.68
RpL4	4	16	4	10	2.56
Arf79F	2	10	1	5	2.61
Pgi	2	10	1	5	2.61
Dmel\CG6287	2	8	2	5	2.54
Dmel\CG5214	2	7	3	5	2.51

Ef1alpha100E	7	29	7	18	2.53
RpS3	5	18	7	12	2.49
Vha44	4	13	5	9	2.30
RpL7A	3	10	4	7	2.29
Cyp12a5	2	7	2	5	2.30
Dmel\CG12990	2	7	2	5	2.30
Cyt-c1	2	6	3	5	2.27
Mdh1	2	5	4	4	2.23
Vha68-2	10	38	7	23	2.29
TER94	6	20	7	13	2.23
Acp26Aa	6	20	7	13	2.23
14-3-3epsilon	4	13	5	9	2.18
Gld	6	18	7	13	2.14
Chd64	3	8	5	6	2.11
Dmel\CG9914	5	13	8	10	2.08
Vha26	7	20	9	15	2.09
Ca-P60A	9	24	13	19	2.07
CG5839	4	12	5	8	2.06
CCT6	2	6	2	4	2.06
Vha36-1	2	6	2	4	2.06
Moe	2	5	3	4	2.03
Sfp24Bb-RA	2	4	4	4	1.99
aralar1	3	11	2	6	2.04
Dmel\CG1532	3	7	5	6	1.95
ATPCL	5	17	2	10	1.98
Vha55	12	35	12	23	1.92
PyK	6	19	4	12	1.95
Gp93	6	14	8	11	1.89
blw	20	46	29	38	1.88
Hsp60C	17	46	17	32	1.87
pAbp	7	14	11	13	1.80
ERp60	5	14	4	9	1.86
Ef1gamma	4	10	5	7	1.82
Rack1	3	8	3	5	1.83
Act57B	3	8	3	5	1.83
BEST:GH20473	3	5	6	5	1.77
wupA	2	8	0	4	1.92
ND-49	2	6	2	4	1.86
Droj2	2	5	2	4	1.82
RpL9	2	5	2	4	1.82
Argk	12	30	13	22	1.79
DppIII	4	14	0	7	1.80
Vha68-1	6	13	7	10	1.67

RpS2	3	8	2	5	1.70
Hsp27	3	6	4	5	1.65
sta	3	6	4	5	1.65
LManVI	5	12	5	8	1.65
CG32919	5	12	5	8	1.65
Hsp83	24	64	15	40	1.65
RpL7	4	11	2	7	1.63
eIF4A	4	10	3	6	1.62
Mtch	2	5	2	3	1.62
COX4	2	5	2	3	1.62
CG5839	2	4	2	3	1.58
tnz	2	4	2	3	1.58
ATPsynCf6	2	3	3	3	1.55
Spn28F	7	18	4	11	1.60
EF2	10	23	8	16	1.57
sesB	8	16	8	12	1.54
Cyp12a4	3	8	2	5	1.56
Etf-QO	3	8	2	5	1.56
Tpi	3	7	2	5	1.54
RpL23A	3	7	2	5	1.54
Dmel\CG6028	3	6	3	5	1.51
Hsc70-3	16	36	13	24	1.53
CG5162	4	11	2	6	1.53
COX5A	4	5	7	6	1.43
Pdi	16	36	12	24	1.47
Hsc70Cb	6	16	2	9	1.50
betaTub85D	6	12	6	9	1.44
ATPsynO	7	13	7	10	1.43
Est-6	11	22	9	16	1.42
betaTub56D	18	34	17	25	1.39
Ald	9	17	7	12	1.37
34F4T	6	12	5	8	1.37
Ldsdh1	4	8	3	5	1.37
alphaTub84D	4	7	4	5	1.36
Pgk	4	6	5	5	1.34
BcDNA:GH10614	3	6	2	4	1.37
RpL10Ab	3	5	3	4	1.35
Uch	2	6	0	3	1.44
RpS15Ab	2	5	1	3	1.41
RpL13A	2	5	1	3	1.41
Nipsnap	2	4	2	3	1.37
PHGPx	2	4	2	3	1.37
Mgstl	2	3	2	3	1.34

Atpalpha	17	32	14	23	1.35
Gapdh2	9	18	6	12	1.34
regucalcin	8	13	8	10	1.30
UGP	5	11	2	7	1.31
P5CDh1	5	9	4	6	1.28
Scsalpha	7	13	5	9	1.25
pont	3	7	1	4	1.26
ND-51	3	7	1	4	1.26
eEF1alpha1	11	15	11	13	1.19
RpS8	5	8	4	6	1.18
Act42A	5	8	4	6	1.18
ATPsynbeta	22	31	21	26	1.17
Eno	9	14	7	11	1.17
l(1)G0156	11	18	7	13	1.17
Dmel\CG8036	13	22	8	15	1.17
ND-75	10	15	7	11	1.14
CG7461-RB	8	14	4	9	1.16
14-3-3zeta	8	11	7	9	1.13
CG17896	6	11	3	7	1.16
bsf	4	10	0	5	1.20
RpL3	4	6	3	5	1.13
Acon	32	60	14	37	1.15
Idh3b	7	13	3	8	1.13
Spn77Bc	7	11	5	8	1.11
Nc73EF	12	20	7	13	1.12
Mtpalpha	12	20	7	13	1.12
Porin2	8	12	6	9	1.08
Cyp1	8	10	7	9	1.07
Hsp60A	17	30	7	19	1.10
porin	9	12	7	9	1.05
Pdhb	6	11	2	7	1.09
Thiolase	6	10	3	6	1.08
CG9509-RA	3	7	0	3	1.12
Phb2	3	7	0	3	1.12
tsr	3	4	2	3	1.05
lectin-30A	3	3	3	3	1.03
GH22814	8	12	5	8	1.03
Dmel\CG7430	4	7	2	4	1.05
lost	4	7	2	4	1.05
AGBE-RA	4	7	2	4	1.05
CG3270-RA	4	6	2	4	1.03
RpL18	4	4	4	4	1.00
UQCR-C2	13	19	7	13	1.03

Jafrac1	5	7	3	5	1.00
Hsc70-4	16	26	7	16	1.02
kdn	27	39	15	27	1.01
Dmel\CG5028	6	10	2	6	1.01
GstS1	8	11	5	8	0.97
BEST:GH02390	18	20	14	17	0.95
ScsbetaA	10	12	7	9	0.91
Adh	9	11	6	8	0.91
RpS16	7	10	3	6	0.92
fabp	7	10	3	6	0.92
RpS14a	7	8	5	6	0.90
Trap1	6	9	2	6	0.93
l(2)37Cc	5	7	2	5	0.92
sea	3	6	0	3	0.96
ND-42	3	6	0	3	0.96
Prx5	3	4	2	3	0.92
CG4928	3	4	2	3	0.92
Mdh2	14	16	7	12	0.85
Prx3	6	9	2	5	0.86
LManV	6	8	2	5	0.85
Hsc70-5	11	15	3	9	0.85
Gdh	16	18	8	13	0.83
Idh	15	20	5	13	0.84
SdhA	10	11	6	8	0.82
Pgd	5	7	2	4	0.84
154229_at	5	6	2	4	0.82
RpL13	4	7	0	3	0.84
FASN1	19	23	7	15	0.80
CG	11	10	7	9	0.78
Aldh	7	7	4	5	0.78
CG16935	6	6	3	5	0.76
Men	6	6	3	5	0.76
CG7010	5	6	2	4	0.74
RpS3A	12	12	6	9	0.72
yip2	7	7	3	5	0.72
Gpdh	10	11	3	7	0.69
scu	10	9	5	7	0.68
Men-b	6	7	2	4	0.70
Dmel\CG9629	6	7	2	4	0.70
ND-24	6	5	3	4	0.68
Hex-C	4	6	0	3	0.72
Nurf-38	4	5	1	3	0.70
GlyS	4	5	1	3	0.70

Fum1	5	5	2	3	0.65
COX5B	5	3	3	3	0.62
Got2-RA	8	8	2	5	0.64
Tps1	17	17	4	11	0.63
FASN1	18	18	4	11	0.62
Echs1	9	8	3	5	0.61
SdhB	6	6	2	4	0.62
GlyP	26	25	7	16	0.61
CG3902	10	9	3	6	0.60
mEFTu1	7	9	0	4	0.62
CG12262	11	10	3	6	0.59
wal	12	9	5	7	0.57
ALT	17	13	6	10	0.57
Gabat	10	10	2	6	0.56
CG2907	5	4	2	3	0.55
Dmel\CG5590	10	7	3	5	0.50
D2hgdh	14	10	4	7	0.49
Reg-2	8	6	2	4	0.46
Dmel\CG7470	21	12	7	9	0.43
ACC	192	116	49	83	0.43
SCOT	10	6	2	4	0.41
CG12512-RA	9	7	1	4	0.42
Mccc1	13	6	4	5	0.38
PCB	666	228	126	177	0.27