

A)

Probe set	Name	Description	1g* vs 1g control outside magnet	Fold Change
1634409_at	CG31775-RA	ADH region gene	Long-term males +	2.677
1623489_at	CG11091-RA	Sphinx	Long-term males	2.492
1630568_at	Dm	P. unknown func. DUF753	Med-term males	0.394
1626319_a_at	CG18279-RB	Immune induced mol. 10	Long-term males	0.394
1637059_s_at	CG10578-RA	DnaJ-like-1	Med-term males	0.391
1626429_at	CG6821-RA	Larval serum prot.1gamma	Med-term males +	0.381
1640035_at	CG3763-RA	Fat body protein 2 (fbp2)	Med-term males +	0.375
1625985_at	CG31446-RA	Calycin -ike Binding funct.	Long-term males	0.369
1634143_at	CG8345-RA	Monooxygenase	Med-term males	0.364
1639019_s_at	CG18279-PA	Immune ind. mol. 10	Long-term males	0.355
1640755_at	CG10248-RA	Cytochrome P450-6a8	Med-term males	0.348
1630291_at	CG4312-RA	Metallothionein B	Short-term males	0.334
1633607_at	CG2444-RA	SVC secreted protein	Med-term males +	0.323
1630800_s_at		AM01323_revcomp	Med-term males	0.315
1626351_at	CG4471-RA	Tetraspanin 42Ep	Med-term males +	0.314
1625063_a_at	CG31606-RB	Unknown	Long-term males	0.313
1630561_at	CG13641-RA	Unknown (Nuclease b.)	Med-term males	0.312
1629061_s_at	CG32041-RB	Unknown	Med-term males +	0.308
1624101_at	CG10242-RA	Monooxygenase	Long-term males	0.304
1623950_s_at	CG2198-RB	Amalgam	Med-term males +	0.303
1626439_at	CG15353-RA	Mating/Starvation related	Long-term males	0.298
1630590_at	CG18417-RA	Proteolyses related	Long-term males	0.298
1631701_a_at	CG8502-RC	Larval cuticle c.	Med-term males +	0.295
1623815_at	CG8100-RA	Larval serum c.	Med-term males +	0.286
1631803_at	CG2559-RA	Larval serum prot. 1alpha	Med-term males +	0.272
1631962_at	CG33192-RA	Metallothionein D	Short-term females	0.245
1638872_at	CG5436-RA	Heat shock protein 68	Med-term males +	0.209
1629530_at	CG15066-RA	Immune induced mol. 23	Long-term males	0.182
1627271_at	CG13422-RA	Glucosidase activity	Long-term males	0.175
1633471_at	CG11765-RA	Peroxisredoxin 2540	Med-term males	0.160
1636293_at	CG2217-RA	Defense to bacteria	Long-term males	0.107
1627551_s_at	CG18372-RA	Attacin-A & B	Long-term males +	0.069
1626821_s_at	CG6489-RA	Heat-shock-p70B,b,c	Med-term males +	0.044
1639571_s_at	CG18743-RA	Heat-shock-p70Aa,b	Med-term males +	0.041
1632841_x_at	CG6489-RA	Heat-shock-p70Bc	Med-term males +	0.034
1625124_at	CG10146-RA	Attacin-A	Long-term males +	0.028

A) Magnetic effect: 1g* versus control outside the magnet 1g. B) and C) Gravity related effects, 0g* and 2g* versus 1g* respectively. Genes in which the expression is also altered in females medium-term experiment are marked with a '+' (the fold change in med-term females is not shown due to a lack of statistical support). Arrows identify genes common to both lists. Dotted lines are used where the gene expression responds in the same way to the magnetic field in both lists. Solid lines are used where the genes behave in opposite ways.

B)

Probe set	Name	Description	0g* vs 1g*	Fold Change
1633471_at	CG11765-RA	Peroxisredoxin 2540	Med-term males +	5.279
1629530_at	CG15066-RA	Immune induced molecule 23	Long-term males	3.804
1634395_at	CG13804-RA	Royal jelly protein	Short-term females	3.731
1625061_at	CG17298-RA	Circadian rithm related	Med-term males +	3.660
1630291_at	CG4312-RA	Metallothionein B	Short-term males	3.566
1627659_at	CG32510-RA	Unknown	Short-term females +	3.232
1630523_at	CG12106-RA	Unknown	Short-term females	2.835
1639912_x_at	CG40323-RB	Defense response	Short-term males	2.713
1634591_at	CG11878-RA	P. Kinase-like	Long-term males	2.660
1634265_at	CG17924-RA	Accessory gland-spec.pept.95EF	Short-term females	2.576
1637261_at	CG15351-RA	Chorion protein c at 7F	Short-term females	2.459
1632271_a_at	CG7971-RA	Spliceosome complex	Med-term males	0.392
1630723_a_at	CG8708-RB	β-1.3-galactosyltransferase a.	Short-term males	0.384
1629356_at	CG10122-RA	RNA polymerase I subunit	Med-term males	0.382
1639036_at	CG8857-RC	Ribosomal protein S11	Med-term males	0.375
1641207_s_at	CG4991-RB	Aa-polyamine transporter	Med-term males	0.361
1637499_s_at	CG5953-RA	MADF-like (cell cycle)	Long-term males	0.359
1638000_at	CG4922-RA	Spalt-adjacent	Short-term females	0.356
1623601_at	CG8221-RA	Amyrel (alfa-amylase)	Short-term females	0.334
1629845_at	CG13835-RA	Phospholipase A2 activity	Long-term males	0.286
1622946_at	CG6908-RA	DUF227 (P. Kinase-like)	Long-term males	0.286
1637357_at	CG9463-RA	N-glycosyl Hydrolase	Short-term females	0.223
1625373_at	CG6966-RA	Cell proliferation	Long-term males	0.209
1633834_at	CG9701-RA	N-glycosyl Hydrolase	Long-term males	0.206

C)

Probe set	Name	Description	2g* vs 1g*	Fold Change
1626821_s_at	CG6489-RA	Heat-shock-p70Ba,b,c	Short-term females	7.312
1632841_x_at	CG6489-RA	Heat-shock-p70Bc	Short-term females	5.637
1638872_at	CG5436-RA	Heat shock protein 68	Short-term females	4.685
1634187_x_at	Transposon	Γ-element:CR32865	Short-term females	4.250
1637516_at	CG15449-RA	Unknown	Long-term males	3.999
1630258_at	CG4181-RA	Glutathione S transferase D2	Short-term females	3.852
1636524_at	Dm	Hsp70 like	Long-term males	3.717
1641055_at	CG4463-RA	Heat shock protein 23	Short-term females	3.449
1627271_at	CG13422-RA	Glucosidase activity	Short-term females	3.184
1639571_s_at	CG18743-RA	Heat-shock-p70Aa,b	Short-term females	2.782
1625673_at	CG12983	Unknown	Long-term males	2.779
1623068_at	CG4105-RA	Cytochrome P450-4e3	Long-term males	0.342
1632683_s_at	Transposon	Gag-int-pol (coplaGIP)	Long-term males	0.321
1640755_at	CG10248-RA	Cytochrome P450-6a8	Long-term males	0.286
1622946_at	CG6908-RA	DUF227 (P. Kinase-like)	Long-term males	0.187
1633378_at	CG9976-RA	Galactose-specific C-type lectin	Long-term males	0.145