

**Supplemental tables for “Integrate Drosophila segmentation network leads to identify a biomarker for human kidney cancer”**

Table S1 Ftz targets list from gene expression profile analysis: page 2-27

Table S2 Eve targets list from gene expression profile analysis: page 28-49

Table S3 Ftz targets list from ChIP-chip binding sites mapping: page 50-69

Table S4 Eve targets list from ChIP-chip binding sites mapping: page 70-88

Table S5 Ftz direct targets: page 89-91

Table S6 Eve direct targets: page 92-94

Table S7 Quantitative real time PCR to validate ChIP-chip results: page 95,96

Table S8 Network analysis for ftz or eve direct targets, which have homolog in human: page 97-99

## Table S1

### **Ftz targets list from gene expression profile analysis**

DHR78

IMPL2

FBgn0040010

FBgn0032629

LSPbeta

FBgn0036472

FBgn0031607

FBgn0036350

FBgn0037842

FBgn0036914

FBgn0036263

FBgn0036806

FBgn0035595

FBgn0037548

FBgn0036399

FBgn0038587

FBgn0025455

ADH

FBgn0032202

FBgn0032676

FBgn0011762

USP

FBgn0015621

FBgn0039293

FBgn0011230

FBgn0039633

DIAP2

FBgn0027534

FBgn0010105

FBgn0003031

FBgn0020251

FBgn0013343

FBgn0015269

FBgn0036534

FBgn0036408

FBgn0031419

FBgn0028679

FBgn0031069

FBgn0020369

FBgn0040232

FBgn0035160

FBgn0030882

FBgn0026262

FBgn0010410

FBgn0003067

FBgn0035404

FBgn0036001

FBgn0036909  
FBgn0036002  
FBgn0027779  
FBgn0035854  
FBgn0037282  
FBgn0038146  
FBgn0032881  
FBgn0014007  
FBgn0004516  
FBgn0001224  
FBgn0031759  
FBgn0033013  
FBgn0004428  
FBgn0002533  
FBgn0034576  
FBgn0001624  
FBgn0026324  
FBgn0001139  
FBgn0036774  
FBgn0036966  
L71-4  
FBgn0037617  
FBgn0040077  
FBgn0011666  
FBgn0031187  
FBgn0030602  
FBgn0038196  
FBgn0004373  
Cdc2c  
FBgn0031609  
FBgn0037569  
FBgn0022073  
FBgn0023526  
FBgn0019664  
FBgn0015806  
FBgn0004390  
FBgn0035347  
FBgn0030054  
HSP83  
FBgn0033189  
FBgn0013756  
FBgn0030871  
FBgn0027865  
FBgn0004893  
FBgn0036517  
FBgn0036290  
FBgn0022097  
DIAP1  
FBgn0030851  
FBgn0003659  
FBgn0027842

Neuroglial|CG1634

FBgn0004432

FBgn0037103

FBgn0024987

FBgn0038433

Br-Ccommon

FBgn0024987

FBgn0036053

FBgn0032456

FBgn0034606

FBgn0001309

FBgn0026741

FBgn0038192

FBgn0035438

FBgn0036804

FBgn0033154

FBgn0026012

FBgn0035601

FBgn0010247

FBgn0027842

HSP23

FBgn0036920

FBgn0036194

FBgn0024246

FBgn0036856

FBgn0039635

FBgn0037639

FBgn0039959

FBgn0033081

FBgn0029941

FBgn0026616

FBgn0030812

FBgn0034646

FBgn0035640

HSP26

FBgn0035724

FBgn0040475

FBgn0037843

FBgn0031632

FBgn0035340

FBgn0013269

FBgn0031438

FBgn0031052

FBgn0035675

FBgn0031227

FBgn0032153

FBgn0031315

FBgn0036715

FBgn0001133

FBgn0036099

FBgn0036308

FBgn0000489  
FBgn0035997  
FBgn0032693  
FBgn0010808  
FBgn0038558  
FBgn0000721  
FBgn0033661  
FBgn0032000  
FBgn0001624  
FBgn0023174  
FBgn0004425  
FBgn0036557  
FBgn0005410  
FBgn0038430  
FBgn0031601  
FBgn0016132  
FBgn0029856  
FBgn0010247  
FBgn0000253  
FBgn0003067  
FBgn0004861  
FBgn0022238  
FBgn0036256  
FBgn0037243  
FBgn0040593  
FBgn0039919  
FBgn0002709  
FBgn0034922  
FBgn0030520  
FBgn0026758  
FBgn0003567  
FBgn0039120  
FBgn0026578  
FBgn0032597  
FBgn0036119  
FBgn0000210  
FBgn0030762  
FBgn0037644  
FBgn0019830  
FBgn0035754  
FBgn0035174  
FBgn0003715  
FBgn0031187  
FBgn0035139  
FBgn0035661  
FBgn0026144  
FBgn0031483  
FBgn0030151  
FBgn0014343  
FBgn0039223  
FBgn0035335

CG9941

FBgn0036294

FBgn0031117

FBgn0031772

FBgn0013743

FBgn0037873

CycC

FBgn0038385

FBgn0036123

FBgn0035094

FBgn0001168

FBgn0035472

FBgn0036641

FBgn0026758

FBgn0030510

FBgn0039268

FBgn0033476

FBgn0038264

FBgn0036281

FBgn0000413

FBgn0032833

FBgn0031056

FBgn0036964

FBgn0030853

FBgn0037742

FBgn0028736

FBgn0035342

FBgn0025582

FBgn0036777

FBgn0019644

FBgn0004925

FBgn0032190

FBgn0028717

FBgn0043001

FBgn0020305

FBgn0027508

FBgn0022708

FBgn0028429

FBgn0032378

FBgn0020615

FBgn0040059

FBgn0004381

FBgn0004924

FBgn0010252

FBgn0031303

FBgn0000307

FBgn0015298

FBgn0039863

FBgn0038803

FBgn0026578

FBgn0028877

FBgn0033421  
FBgn0038991  
FBgn0032599  
FBgn0035704  
FBgn0037636  
FBgn0041789  
FBgn0031485  
FBgn0000581  
FBgn0026611  
FBgn0039835  
FBgn0029801  
FBgn0028953  
FBgn0037822  
FBgn0031066  
FBgn0035995  
FBgn0000283  
FBgn0034054  
FBgn0036207  
FBgn0035692  
FBgn0003013  
FBgn0031143  
FBgn0017397  
FBgn0000163  
FBgn0039894  
FBgn0039174  
FBgn0021765  
FBgn0038580  
FBgn0028699  
FBgn0034073  
FBgn0036266  
FBgn0039266  
FBgn0034049  
FBgn0032634  
FBgn0011272  
FBgn0026611  
FBgn0025776  
FBgn0035760  
FBgn0040207  
FBgn0017565  
FBgn0036726  
FBgn0036134  
FBgn0036930  
FBgn0035774  
FBgn0035603  
FBgn0002645  
FBgn0031281  
FBgn0030220  
FBgn0004430  
FBgn0021967  
Br-CZ2  
FBgn0035642

FBgn0027535  
FBgn0036173  
FBgn0038554  
FBgn0000462  
FBgn0010194  
FBgn0032160  
FBgn0030024  
FBgn0035549  
FBgn0038070  
FBgn0002590  
FBgn0027948  
FBgn0036916  
FBgn0015954  
FBgn0042630  
FBgn0038046  
FBgn0013972  
FBgn0011273  
FBgn0020304  
FBgn0026064  
FBgn0003501  
FBgn0003118  
FBgn0035346  
FBgn0032720  
FBgn0024195  
FBgn0003607  
FBgn0030718  
FBgn0001085  
FBgn0038535  
FBgn0035665  
FBgn0027499  
FBgn0038555  
FBgn0026875  
FBgn0030790  
FBgn0015282  
FBgn0030525  
FBgn0030194  
FBgn0038562  
FBgn0039697  
FBgn0029714  
FBgn0025366  
FBgn0035397  
FBgn0027655  
FBgn0039288  
FBgn0036972  
FBgn0038100  
FBgn0025741  
FBgn0031595  
FBgn0035712  
FBgn0036283  
FBgn0000368  
FBgn0000340



FBgn0035136  
FBgn0005386  
FBgn0013984  
FBgn0023388  
FBgn0033972  
FBgn0004636  
FBgn0037810  
FBgn0032341  
FBgn0004368  
FBgn0038962  
FBgn0015374  
FBgn0035157  
FBgn0039650  
FBgn0036624  
FBgn0002534  
FBgn0040552  
FBgn0033159  
FBgn0030400  
FBgn0024732  
FBgn0004868  
FBgn0032408  
Thread|CG12284  
FBgn0035116  
FBgn0031880  
FBgn0033961  
FBgn0011817  
FBgn0036965  
FBgn0035983  
FBgn0038532  
FBgn0035869  
FBgn0039610  
FBgn0037771  
FBgn0025117  
FBgn0036180  
FBgn0010382  
FBgn0030915  
FBgn0004108  
FBgn0035357  
FBgn0002431  
FBgn0015278  
FBgn0036745  
FBgn0030035  
FBgn0041094  
FBgn0015399  
FBgn0016675  
FBgn0001085  
FBgn0023526  
FBgn0035460  
FBgn0035753  
FBgn0030718  
FBgn0036970

FBgn0035843  
FBgn0027786  
FBgn0027655  
FBgn0032725  
FBgn0011285  
FBgn0033253  
FBgn0030733  
FBgn0036295  
FBgn0035432  
FBgn0036297  
FBgn0024150  
FBgn0038853  
FBgn0034058  
FBgn0026376  
FBgn0033988  
FBgn0004429  
FBgn0039904  
FBgn0036511  
FBgn0001122  
FBgn0015283  
FBgn0023175  
FBgn0023097  
FBgn0032746  
FBgn0034915  
FBgn0036826  
FBgn0033218  
FBgn0038323  
FBgn0001105  
FBgn0033480  
FBgn0038169  
FBgn0027508  
FBgn0024732  
FBgn0005624  
FBgn0036248  
FBgn0003463  
FBgn0015294  
FBgn0034189  
FBgn0031777  
FBgn0037597  
FBgn0038185  
FBgn0030058  
FBgn0033509  
FBgn0032708  
FBgn0029903  
FBgn0010280  
FBgn0034335  
FBgn0038704  
FBgn0003391  
FBgn0039928  
FBgn0037135  
FBgn0031310

FBgn0022069  
FBgn0019624  
FBgn0037582  
FBgn0037469  
FBgn0003717  
FBgn0042112  
FBgn0035793  
FBgn0035583  
FBgn0000547  
FBgn0033416  
FBgn0032053  
FBgn0027603  
FBgn0036247  
FBgn0001216  
FBgn0011787  
FBgn0036556  
FBgn0031832  
FBgn0035693  
FBgn0031001  
FBgn0029006  
FBgn0003308  
FBgn0034914  
FBgn0036893  
FBgn0001168  
FBgn0038319  
FBgn0026061  
FBgn0010382  
FBgn0020427  
FBgn0036084  
FBgn0024841  
FBgn0005674  
FBgn0035871  
FBgn0036609  
FBgn0029094  
FBgn0032236  
FBgn0036211  
FBgn0028485  
FBgn0038747  
FBgn0031020  
FBgn0039732  
FBgn0000395  
FBgn0040720  
FBgn0005593  
FBgn0038533  
FBgn0033398  
FBgn0029172  
FBgn0039528  
FBgn0015024  
FBgn0005649  
FBgn0040308  
FBgn0032239

FBgn0034338  
FBgn0000617  
FBgn0038704  
FBgn0003310  
FBgn0033771  
FBgn0035944  
FBgn0040768  
FBgn0038816  
FBgn0039445  
FBgn0015737  
FBgn0035140  
FBgn0033566  
FBgn0039590  
FBgn0041789  
FBgn0036136  
FBgn0031781  
FBgn0003659  
FBgn0000273  
FBgn0038222  
FBgn0039233  
FBgn0016685  
FBgn0039555  
FBgn0034945  
FBgn0037392  
FBgn0037833  
FBgn0035592  
FBgn0036763  
FBgn0039272  
FBgn0004399  
FBgn0002931  
FBgn0038654  
FBgn0034242  
FBgn0038389  
FBgn0011241  
FBgn0003656  
FBgn0030088  
FBgn0015778  
FBgn0031190  
FBgn0036462  
FBgn0003371  
FBgn0036886  
FBgn0029514  
FBgn0036489  
FBgn0036483  
FBgn0029933  
FBgn0034602  
FBgn0034724  
FBgn0035411  
L71-1  
FBgn0030856  
FBgn0040021

FBgn0035872  
FBgn0035061  
FBgn0038620  
FBgn0035560  
FBgn0003048  
FBgn0011766  
FBgn0032890  
FBgn0028500  
FBgn0000100  
FBgn0033103  
FBgn0035721  
FBgn0003346  
FBgn0032248  
FBgn0035122  
FBgn0034033  
FBgn0039286  
FBgn0014163  
FBgn0032791  
FBgn0037351  
FBgn0035853  
FBgn0028697  
FBgn0032761  
FBgn0036134  
FBgn0032207  
FBgn0034001  
FBgn0037516  
FBgn0021906  
FBgn0035655  
FBgn0000253  
FBgn0037094  
FBgn0037340  
FBgn0030250  
FBgn0000566  
FBgn0014391  
FBgn0015269  
Dronc|CG8091  
FBgn0003866  
FBgn0011818  
FBgn0035377  
FBgn0031436  
FBgn0025777  
FBgn0020235  
FBgn0001325  
FBgn0015268  
FBgn0032929  
FBgn0016120  
FBgn0030868  
FBgn0032034  
FBgn0036003  
FBgn0038307  
FBgn0036451

FBgn0040692  
FBgn0033162  
FBgn0039057  
FBgn0031899  
FBgn0010256  
FBgn0002932  
FBgn0025740  
FBgn0034356  
FBgn0028530  
FBgn0024195  
FBgn0028914  
FBgn0029114  
FBgn0010409  
FBgn0024912  
FBgn0040900  
FBgn0026085  
FBgn0022764  
FBgn0029833  
FBgn0037370  
FBgn0010235  
FBgn0036740  
FBgn0034644  
FBgn0028919  
FBgn0020386  
FBgn0002611  
FBgn0022023  
FBgn0024921  
FBgn0030486  
FBgn0027609  
FBgn0033385  
FBgn0029584  
FBgn0004861  
FBgn0039258  
FBgn0038504  
FBgn0001204  
FBgn0034765  
FBgn0038843  
FBgn0036213  
FBgn0037199  
FBgn0003507  
FBgn0024236  
FBgn0030433  
FBgn0033314  
FBgn0037636  
FBgn0033030  
FBgn0036406  
FBgn0028982  
FBgn0024814  
FBgn0002633  
FBgn0026431  
FBgn0036500

FBgn0036302  
FBgn0031459  
FBgn0039802  
FBgn0039931  
FBgn0033998  
FBgn0024921  
FBgn0035590  
FBgn0033261  
FBgn0020388  
FBgn0029704  
FBgn0000140  
FBgn0034354  
FBgn0029123  
FBgn0040541  
FBgn0040296  
FBgn0030083  
FBgn0037478  
FBgn0004427  
FBgn0040884  
FBgn0033842  
FBgn0001624  
FBgn0035235  
FBgn0003210  
FBgn0001977  
FBgn0031990  
FBgn0013765  
FBgn0029764  
FBgn0029003  
FBgn0004456  
FBgn0036291  
FBgn0036301  
FBgn0039014  
FBgn0039627  
FBgn0040594  
FBgn0035617  
FBgn0015014  
FBgn0004837  
FBgn0039892  
FBgn0030025  
FBgn0005640  
FBgn0035151  
FBgn0001079  
FBgn0010607  
FBgn0036103  
FBgn0034240  
FBgn0032982  
FBgn0025802  
FBgn0036630  
FBgn0016794  
FBgn0020620  
FBgn0001257

FBgn0003891  
FBgn0020510  
FBgn0039000  
FBgn0003600  
FBgn0034534  
FBgn0000097  
FBgn0039668  
FBgn0040324  
FBgn0037048  
FBgn0035831  
FBgn0037971  
FBgn0030768  
FBgn0034774  
FBgn0030328  
FBgn0038446  
FBgn0038355  
FBgn0002973  
FBgn0033068  
FBgn0001994  
FBgn0034847  
FBgn0002611  
FBgn0032938  
FBgn0026778  
FBgn0029148  
FBgn0035088  
FBgn0036293  
FBgn0030392  
FBgn0026573  
FBgn0004860  
FBgn0002535  
FBgn0035118  
FBgn0038205  
FBgn0036089  
FBgn0035752  
FBgn0032342  
FBgn0032719  
FBgn0037490  
FBgn0033166  
FBgn0020245  
FBgn0037612  
FBgn0026076  
FBgn0030601  
FBgn0032429  
FBgn0039112  
FBgn0036888  
FBgn0035500  
FBgn0023517  
FBgn0010339  
FBgn0031184  
FBgn0010460  
FBgn0004603



FBgn0040559  
FBgn0023213  
FBgn0028508  
FBgn0030942  
FBgn0038821  
FBgn0035633  
FBgn0030669  
FBgn0036450  
FBgn0037312  
FBgn0038474  
FBgn0039737  
FBgn0032348  
FBgn0025743  
FBgn0010014  
FBgn0039653  
FBgn0042189  
FBgn0039917  
SGS-8  
FBgn0038012  
FBgn0031029  
FBgn0036356  
FBgn0035861  
FBgn0005630  
FBgn0042162  
FBgn0000577  
FBgn0039788  
FBgn0023520  
FBgn0030306  
FBgn0015286  
FBgn0032742  
FBgn0035807  
FBgn0015402  
FBgn0010313  
FBgn0041789  
FBgn0040739  
FBgn0031450  
FBgn0024187  
FBgn0001128  
FBgn0031119  
FBgn0003071  
FBgn0034243  
FBgn0036473  
FBgn0040271  
FBgn0033398  
FBgn0037669  
FBgn0010405  
FBgn0015276  
FBgn0034641  
FBgn0032788  
FBgn0033614  
FBgn0010412

FBgn0031474  
FBgn0034973  
FBgn0033876  
FBgn0015338  
FBgn0026373  
FBgn0038501  
FBgn0033974  
FBgn0035032  
FBgn0040483  
FBgn0011661  
FBgn0038751  
FBgn0038335  
FBgn0036885  
FBgn0036894  
FBgn0035829  
Eig17-1  
FBgn0037001  
FBgn0036361  
FBgn0038764  
FBgn0037966  
FBgn0034248  
FBgn0036471  
FBgn0033559  
FBgn0033224  
FBgn0010583  
FBgn0030834  
FBgn0034029  
FBgn0035344  
FBgn0028648  
FBgn0029869  
FBgn0031570  
FBgn0004368  
FBgn0017581  
FBgn0036904  
FBgn0031529  
FBgn0040930  
FBgn0014870  
FBgn0034913  
FBgn0029174  
FBgn0041231  
FBgn0035833  
FBgn0003963  
FBgn0003416  
FBgn0010460  
FBgn0015279  
FBgn0039891  
FBgn0027890  
FBgn0037344  
FBgn0035746  
FBgn0037443  
FBgn0004655

FBgn0029887  
FBgn0032590  
FBgn0030366  
FBgn0039535  
FBgn0010379  
FBgn0034020  
FBgn0001981  
FBgn0029731  
FBgn0032148  
FBgn0020623  
FBgn0020367  
FBgn0011712  
FBgn0033663  
FBgn0037808  
FBgn0031253  
FBgn0040295  
FBgn0032943  
FBgn0037597  
FBgn0031856  
FBgn0035612  
FBgn0034349  
FBgn0031236  
FBgn0035137  
FBgn0035636  
FBgn0004169  
FBgn0003319  
FBgn0038787  
FBgn0032801  
FBgn0035172  
FBgn0033489  
FBgn0036728  
FBgn0034282  
FBgn0039277  
FBgn0034503  
FBgn0033243  
FBgn0030092  
FBgn0028698  
FBgn0032622  
FBgn0036684  
FBgn0011766  
FBgn0031049  
FBgn0033250  
FBgn0035586  
FBgn0003177  
FBgn0032736  
FBgn0036845  
FBgn0036036  
FBgn0031639  
FBgn0013759  
FBgn0023179  
FBgn0033062

FBgn0032821  
FBgn0037314  
FBgn0020272  
FBgn0037656  
FBgn0034538  
FBgn0035498  
FBgn0035688  
FBgn0040066  
FBgn0033992  
FBgn0033378  
FBgn0037550  
FBgn0034372  
FBgn0037963  
FBgn0031660  
FBgn0036165  
FBgn0030611  
FBgn0029855  
FBgn0036277  
FBgn0036064  
FBgn0026575  
FBgn0028398  
FBgn0003274  
FBgn0003941  
FBgn0025700  
FBgn0038996  
FBgn0003313  
FBgn0013753  
FBgn0004859  
FBgn0039748  
FBgn0030292  
FBgn0029138  
FBgn0033186  
FBgn0032002  
FBgn0004607  
FBgn0031212  
FBgn0036549  
FBgn0027590  
FBgn0015803  
FBgn0033902  
FBgn0033912  
FBgn0020304  
FBgn0031961  
FBgn0010470  
FBgn0039512  
FBgn0010426  
FBgn0037774  
FBgn0039015  
FBgn0017545  
FBgn0032678  
FBgn0038301  
FBgn0035644

FBgn0030518  
FBgn0003380  
FBgn0038557  
FBgn0010408  
FBgn0003175  
FBgn0010217  
FBgn0033707  
FBgn0038110  
FBgn0036313  
FBgn0036445  
FBgn0015624  
FBgn0033357  
FBgn0001168  
FBgn0004579  
FBgn0031993  
FBgn0031170  
FBgn0038071  
FBgn0035570  
FBgn0011260  
FBgn0035203  
FBgn0036538  
FBgn0015773  
FBgn0032799  
FBgn0035237  
FBgn0034717  
FBgn0040323  
FBgn0036852  
FBgn0030122  
FBgn0031399  
FBgn0031186  
FBgn0039159  
FBgn0035600  
FBgn0003748  
FBgn0030426  
FBgn0035812  
FBgn0035324  
FBgn0040947  
FBgn0031303  
FBgn0033089  
FBgn0031764  
FBgn0016054  
FBgn0039933  
FBgn0039016  
FBgn0030492  
FBgn0031398  
FBgn0031287  
FBgn0001222  
FBgn0002626  
FBgn0030067  
FBgn0037277  
FBgn0031229

FBgn0037198  
FBgn0032756  
FBgn0004648  
FBgn0037351  
FBgn0026577  
FBgn0030462  
FBgn0030180  
FBgn0010213  
FBgn0027547  
FBgn0029133  
FBgn0002524  
FBgn0030584  
FBgn0003471  
FBgn0038381  
FBgn0036468  
FBgn0035210  
FBgn0013733  
FBgn0036932  
FBgn0034881  
FBgn0016797  
FBgn0039669  
FBgn0004465  
FBgn0031842  
FBgn0032280  
FBgn0035149  
FBgn0037728  
FBgn0032922  
FBgn0039693  
FBgn0036334  
FBgn0037599  
FBgn0038520  
FBgn0002563  
FBgn0035396  
FBgn0033511  
FBgn0033922  
FBgn0032748  
FBgn0031661  
FBgn0035948  
FBgn0000180  
FBgn0033360  
FBgn0025574  
FBgn0010520  
FBgn0036461  
FBgn0004414  
FBgn0028687  
FBgn0035726  
FBgn0036861  
FBgn0034590  
FBgn0014857  
FBgn0010611  
FBgn0028683

FBgn0004367  
FBgn0039164  
FBgn0032198  
FBgn0017581  
FBgn0036908  
Ark|CG6829  
FBgn0039268  
FBgn0038103  
FBgn0004509  
FBgn0040874  
FBgn0035654  
FBgn0038516  
FBgn0033528  
FBgn0014026  
FBgn0036279  
FBgn0003396  
FBgn0038553  
FBgn0038945  
FBgn0039122  
FBgn0025336  
FBgn0031471  
FBgn0016697  
FBgn0028918  
FBgn0032918  
FBgn0032769  
FBgn0002284  
FBgn0039276  
FBgn0038304  
FBgn0033608  
FBgn0039283  
FBgn0038118  
FBgn0039688  
FBgn0040737  
FBgn0002031  
FBgn0035121  
FBgn0030486  
FBgn0038976  
FBgn0032937  
FBgn0038150  
FBgn0031684  
FBgn0040298  
FBgn0030154  
FBgn0034217  
FBgn0004655  
FBgn0034837  
FBgn0031713  
FBgn0032745  
FBgn0038271  
FBgn0031599  
FBgn0011716  
FBgn0030856

FBgn0033225  
FBgn0030222  
FBgn0038599  
FBgn0037330  
FBgn0038537  
FBgn0039409  
FBgn0036271  
FBgn0030293  
FBgn0011592  
FBgn0001987  
FBgn0031107  
FBgn0039672  
FBgn0035558  
FBgn0019968  
FBgn0039140  
FBgn0026787  
FBgn0039359  
FBgn0039066  
FBgn0038622  
FBgn0035229  
FBgn0035670  
FBgn0022153  
FBgn0034760  
FBgn0039218  
FBgn0037049  
FBgn0040533  
FBgn0039929  
FBgn0032551  
FBgn0038178  
FBgn0035978  
FBgn0029899  
FBgn0003896  
FBgn0000618  
REAPER  
FBgn0025807  
FBgn0038233  
FBgn0035715  
FBgn0020440  
FBgn0040318  
FBgn0038872  
FBgn0017557  
FBgn0037306  
FBgn0035159  
FBgn0035964  
FBgn0041604  
FBgn0032030  
FBgn0038609  
FBgn0036309  
FBgn0032589  
CBP  
FBgn0020257



FBgn0031768  
FBgn0038275  
FBgn0035574  
FBgn0022787  
FBgn0040755  
FBgn0024195  
FBgn0039936  
FBgn0036398  
FBgn0034861  
FBgn0038660  
FBgn0030733  
FBgn0032422  
FBgn0004586  
FBgn0039878  
FBgn0038715  
FBgn0036764  
FBgn0022986  
FBgn0028789  
FBgn0033513  
FBgn0035823  
FBgn0039019  
FBgn0038349  
FBgn0017579  
FBgn0034711  
FBgn0030802  
FBgn0003200  
FBgn0029996  
FBgn0034619  
FBgn0031173  
FBgn0016119  
FBgn0040766  
FBgn0034075  
FBgn0037949  
E63-2  
FBgn0026141  
FBgn0015039  
FBgn0027584  
FBgn0034071  
FBgn0039148  
FBgn0033552  
FBgn0035902  
FBgn0003169  
FBgn0016940  
FBgn0000546  
FBgn0031071  
FBgn0013591  
FBgn0004885  
FBgn0037533  
FBgn0003943  
FBgn0003507  
FBgn0011747

FBgn0004120  
FBgn0033754  
FBgn0003091  
FBgn0030809  
FBgn0000121  
FBgn0029131  
FBgn0038140  
FBgn0042213  
FBgn0032305  
FBgn0037295  
FBgn0035827  
FBgn0011288  
FBgn0037391  
FBgn0011211  
FBgn0035456  
FBgn0003044  
FBgn0032595  
FBgn0031698  
FBgn0037427  
FBgn0039909  
FBgn0032214  
FBgn0028467  
FBgn0027660  
FBgn0040057  
FBgn0004397  
FBgn0004379  
FBgn0035285  
FBgn0038906  
FBgn0034266  
FBgn0035639  
FBgn0027094  
Act42A  
FBgn0003204CT5398  
FBgn0017567  
FBgn0032918  
FBgn0033461  
FBgn0024491  
FBgn0032329  
FBgn0038073  
FBgn0038234  
FBgn0038673  
FBgn0024189  
FBgn0038253  
FBgn0036051  
FBgn0030179  
FBgn0040060  
FBgn0031598  
FBgn0038457  
FBgn0038934  
FBgn0037596  
FBgn0002945

FBgn0013733  
FBgn0015393  
FBgn0040396  
FBgn0029715  
FBgn0016691  
FBgn0034224  
FBgn0038543  
FBgn0034300  
FBgn0040007  
FBgn0035370  
FBgn0039569  
FBgn0038914  
FBgn0034706  
FBgn0036006  
FBgn0027496  
FBgn0025549  
FBgn0035355  
FBgn0022349  
FBgn0032497  
FBgn0033191  
FBgn0010389  
FBgn0036144  
FBgn0000575  
FBgn0025626  
FBgn0003448  
FBgn0032421  
FBgn0034060  
FBgn0038203  
FBgn0031357  
FBgn0035743  
FBgn0015396  
FBgn0035785  
FBgn0037011  
FBgn0028693  
FBgn0026144  
FBgn0033517  
FBgn0029919  
FBgn0039957  
FBgn0031766

## Table S2

### **Eve targets list from expression profile analysis**

FBgn0040010  
FBgn0029661  
FBgn0001224  
FBgn0004516  
HSP23  
FBgn0031446  
FBgn0032629  
FBgn0031632  
FBgn0028877  
FBgn0024150  
FBgn0031431  
FBgn0041248  
FBgn0035724  
FBgn0031599  
FBgn0035160  
FBgn0032453  
FBgn0031452  
FBgn0026324  
FBgn0031065  
FBgn0027779  
FBgn0011230  
FBgn0036806  
FBgn0031346  
FBgn0031945  
FBgn0033918  
FBgn0039633  
FBgn0031344  
FBgn0017565  
FBgn0034422  
FBgn0003943  
FBgn0010611  
FBgn0036003  
FBgn0035768  
FBgn0034354  
FBgn0031597  
FBgn0031592  
FBgn0022073  
FBgn0032676  
FBgn0003300  
FBgn0004513  
FBgn0000274  
FBgn0031510  
FBgn0031280  
FBgn0002931  
FBgn0019664

FBgn0039894  
FBgn0039737  
FBgn0034847  
FBgn0004432  
FBgn0036909  
FBgn0036715  
FBgn0039293  
FBgn0033443  
FBgn0029823  
FBgn0029801  
FBgn0031435  
FBgn0031206  
FBgn0032757  
FBgn0004389  
FBgn0037058  
FBgn0034033  
FBgn0033771  
FBgn0028468  
FBgn0036811  
FBgn0031020  
FBgn0027524  
FBgn0035618  
FBgn0038385  
FBgn0027535  
FBgn0039653  
FBgn0015621  
FBgn0037150  
FBgn0038355  
FBgn0031149  
FBgn0035569  
FBgn0022097  
FBgn0033476  
FBgn0040889  
FBgn0033817  
FBgn0028511  
FBgn0039095  
FBgn0024246  
FBgn0039288  
FBgn0039753  
FBgn0039917  
FBgn0003471  
FBgn0038071  
FBgn0030819  
FBgn0033842  
FBgn0024947  
FBgn0027527  
FBgn0030602  
FBgn0032453  
FBgn0038000  
FBgn0035570  
FBgn0034487

FBgn0032084  
FBgn0031570  
FBgn0026431  
FBP-1  
FBgn0024150  
FBgn0034885  
FBgn0031296  
FBgn0031601  
FBgn0015374  
FBgn0035877  
FBgn0042178  
FBgn0026397  
FBgn0035621  
FBgn0032982  
FBgn0034521  
FBgn0040369  
FBgn0027558  
FBgn0036084  
FBgn0031393  
FBgn0032897  
FBgn0001077  
FBgn0016031  
FBgn0029737  
FBgn0040709  
FBgn0028491  
FBgn0035669  
FBgn0035781  
FBgn0036735  
FBgn0032456  
FBgn0039895  
L71-1  
FBgn0035174  
FBgn0035469  
FBgn0030478  
FBgn0041205  
FBgn0030955  
FBgn0037149  
FBgn0039704  
FBgn0034361  
FBgn0035140  
FBgn0035139  
FBgn0004588  
FBgn0039297  
FBgn0030870  
FBgn0028736  
HSP70  
FBgn0036515  
FBgn0028921  
FBgn0031990  
FBgn0035438  
FBgn0039348

FBgn0031495  
FBgn0038627  
FBgn0038701  
FBgn0031368  
FBgn0031427  
FBgn0036408  
FBgn0034432  
FBgn0033613  
FBgn0015946  
FBgn0032881  
FBgn0033089  
FBgn0017482  
FBgn0038535  
FBgn0036640  
FBgn0031309  
FBgn0001961  
FBgn0037227  
FBgn0030657  
FBgn0035398  
FBgn0035472  
FBgn0032679  
FBgn0003984  
FBgn0033965  
FBgn0031456  
FBgn0031281  
FBgn0032491  
FBgn0031621  
FBgn0040077  
FBgn0037153  
FBgn0032348  
FBgn0014848  
FBgn0037825  
FBgn0023184  
FBgn0024732  
FBgn0000606  
FBgn0031004  
FBgn0028648  
FBgn0040754  
FBgn0031476  
FBgn0032590  
FBgn0033588  
FBgn0033974  
FBgn0026141  
FBgn0039650  
FBgn0039403  
FBgn0003444  
FBgn0030067  
FBgn0004575  
FBgn0010434  
FBgn0027501  
FBgn0037761

FBgn0037282  
FBgn0004242  
FBgn0038070  
FBgn0020368  
FBgn0000299  
FBgn0037419  
FBgn0038803  
FBgn0035548  
FBgn0038509  
FBgn0034075  
FBgn0026562  
FBgn0004176  
FBgn0028373  
FBgn0038446  
FBgn0037617  
FBgn0000227  
FBgn0039445  
FBgn0027580  
FBgn0039244  
FBgn0002638  
FBgn0035798  
FBgn0023526  
FBgn0003209  
FBgn0029856  
FBgn0026761  
FBgn0038720  
FBgn0033479  
FBgn0038961  
FBgn0032502  
FBgn0035489  
FBgn0005616  
FBgn0036972  
FBgn0015933  
FBgn0036350  
FBgn0039732  
FBgn0004551  
FBgn0034735  
FBgn0031434  
FBgn0039702  
FBgn0031645  
FBgn0035094  
FBgn0031640  
FBgn0015657  
FBgn0024987  
FBgn0020312  
FBgn0020367  
FBgn0030807  
FBgn0004577  
FBgn0010349  
FBgn0003145  
FBgn0036710



FBgn0035560  
FBgn0021872  
FBgn0010470  
FBgn0030547  
FBgn0028704  
FBgn0032622  
FBgn0019662  
FBgn0037977  
FBgn0034259  
FBgn0034689  
FBgn0034727  
FBgn0036002  
FBgn0029907  
FBgn0028918  
FBgn0001128  
FBgn0036970  
FBgn0033672  
FBgn0031549  
FBgn0030958  
FBgn0039663  
FBgn0034421  
FBgn0010014  
FBgn0036567  
FBgn0030052  
FBgn0034765  
FBgn0034315  
FBgn0034417  
FBgn0035355  
FBgn0035088  
FBgn0024290  
FBgn0034105  
FBgn0029959  
DHR78  
FBgn0036624  
FBgn0023477  
FBgn0035717  
FBgn0037656  
FBgn0024841  
FBgn0024732  
FBgn0035116  
FBgn0034446  
FBgn0038265  
FBgn0036565  
FBgn0032005  
FBgn0032599  
FBgn0027505  
FBgn0036920  
FBgn0004363  
FBgn0039142  
SGS-7  
FBgn0035209

FBgn0028487  
FBgn0001204  
FBgn0035456  
FBgn0030451  
FBgn0034394  
FBgn0035208  
FBgn0039296  
FBgn0031187  
FBgn0029653  
FBgn0030525  
FBgn0008654  
FBgn0030745  
FBgn0031590  
FBgn0033239  
FBgn0031323  
FBgn0026398  
FBgn0001133  
FBgn0033913  
FBgn0034145  
FBgn0003392  
FBgn0000562  
FBgn0036207  
FBgn0036361  
FBgn0026758  
FBgn0028508  
FBgn0036879  
FBgn0036764  
FBgn0035090  
FBgn0039466  
FBgn0040627  
FBgn0037094  
FBgn0013984  
FBgn0032923  
FBgn0015282  
FBgn0003865  
FBgn0003659  
FBgn0025391  
FBgn0036514  
FBgn0025682  
FBgn0040859  
FBgn0000339  
FBgn0028412  
FBgn0034396  
FBgn0037048  
FBgn0028485  
FBgn0037295  
FBgn0041581  
FBgn0000163  
FBgn0037263  
FBgn0031482  
FBgn0042199

FBgn0035546  
FBgn0039030  
FBgn0033559  
FBgn0035985  
FBgn0030484  
FBgn0031439  
FBgn0039902  
FBgn0002306  
FBgn0034140  
FBgn0039852  
FBgn0038226  
FBgn0039572  
FBgn0031728  
FBgn0015546  
Neuroglian|CG1634  
FBgn0038922  
FBgn0032153  
FBgn0036517  
FBgn0029889  
FBgn0040541  
FBgn0036804  
FBgn0037397  
FBgn0033769  
FBgn0035435  
FBgn0020764  
FBgn0004108  
FBgn0030083  
FBgn0033663  
FBgn0003715  
FBgn0033948  
FBgn0037414  
FBgn0026758  
FBgn0023213  
FBgn0033764  
FBgn0034326  
FBgn0031315  
FBgn0013307  
FBgn0036257  
FBgn0035082  
FBgn0038660  
FBgn0038029  
FBgn0002183  
FBgn0020615  
FBgn0038580  
FBgn0040318  
FBgn0013981  
FBgn0033386  
FBgn0031097  
FBgn0036527  
FBgn0031968  
FBgn0030534

FBgn0037822  
FBgn0036570  
FBgn0032202  
FBgn0034657  
FBgn0031197  
FBgn0017557  
FBgn0040323  
FBgn0000581  
FBgn0026063  
FBgn0035432  
FBgn0038275  
FBgn0033610  
FBgn0031364  
FBgn0031343  
FBgn0010808  
FBgn0032098  
FBgn0003149  
FBgn0030141  
FBgn0036339  
FBgn0035948  
FBgn0026012  
FBgn0015831  
FBgn0031931  
FBgn0035713  
FBgn0034970  
FBgn0035758  
Br-CZ2  
FBgn0039140  
FBgn0036861  
FBgn0037472  
FBgn0013755  
FBgn0030143  
FBgn0029815  
FBgn0033265  
FBgn0035500  
FBgn0033031  
FBgn0016675  
FBgn0026404  
FBgn0013759  
FBgn0040706  
FBgn0027596  
FBgn0031212  
FBgn0000472  
FBgn0032186  
FBgn0032358  
FBgn0032393  
FBgn0029172  
FBgn0010105  
FBgn0026176  
FBgn0035622  
FBgn0039726

FBgn0031942  
FBgn0003525  
FBgn0031365  
FBgn0002989  
FBgn0015268  
FBgn0038138  
FBgn0001220  
FBgn0020611  
FBgn0027108  
FBgn0012042  
FBgn0037524  
FBgn0034420  
FBgn0027571  
FBgn0002968  
FBgn0035601  
FBgn0004855  
FBgn0000261  
FBgn0036534  
FBgn0035154  
FBgn0030851  
FBgn0036001  
FBgn0000489  
FBgn0033028  
FBgn0027948  
FBgn0036102  
FBgn0034602  
FBgn0033605  
FBgn0022943  
FBgn0037936  
FBgn0038493  
FBgn0004167  
FBgn0014850  
FBgn0004052  
FBgn0036289  
FBgn0037407  
FBgn0036392  
FBgn0036818  
FBgn0031327  
FBgn0034080  
FBgn0015300  
FBgn0032978  
FBgn0038474  
FBgn0024556  
FBgn0034760  
FBgn0017424  
FBgn0023175  
FBgn0011300  
FBgn0034861  
FBgn0034774  
FBgn0034542  
FBgn0033360

FBgn0031470  
FBgn0031334  
FBgn0036674  
FBgn0034881  
FBgn0039263  
FBgn0004456  
FBgn0035710  
FBgn0034615  
FBgn0015622  
FBgn0030312  
FBgn0035685  
FBgn0033973  
FBgn0015269  
FBgn0033393  
FBgn0028738  
FBgn0037661  
FBgn0037721  
FBgn0033308  
FBgn0039156  
FBgn0000330  
FBgn0030948  
FBgn0035743  
FBgn0035592  
FBgn0003462  
FBgn0035348  
FBgn0032394  
FBgn0039685  
FBgn0037248  
FBgn0038873  
FBgn0002775  
FBgn0031067  
FBgn0034859  
FBgn0013342  
FBgn0020235  
FBgn0011693  
FBgn0039112  
FBgn0033489  
FBgn0034947  
FBgn0041789  
FBgn0031574  
FBgn0038584  
FBgn0039051  
FBgn0032248  
FBgn0042693  
FBgn0003031  
FBgn0034803  
FBgn0029890  
FBgn0028919  
FBgn0034787  
FBgn0036301  
FBgn0030864

FBgn0030453  
FBgn0003983  
FBgn0034738  
FBgn0033437  
FBgn0035169  
FBgn0031173  
FBgn0031995  
FBgn0014949  
FBgn0035348  
FBgn0020251  
FBgn0033806  
FBgn0036060  
FBgn0036421  
FBgn0034417  
FBgn0028901  
FBgn0011661  
FBgn0029584  
FBgn0034193  
FBgn0010549  
FBgn0014870  
FBgn0032822  
FBgn0035954  
FBgn0024833  
FBgn0024236  
Ark|CG6829  
FBgn0033501  
FBgn0038830  
FBgn0040594  
FBgn0011291  
FBgn0016641  
FBgn0039283  
FBgn0037261  
FBgn0036175  
FBgn0011818  
FBgn0011661  
FBgn0039205  
FBgn0039439  
FBgn0033673  
FBgn0038620  
FBgn0031832  
FBgn0031643  
FBgn0013343  
FBgn0034134  
FBgn0034406  
FBgn0023537  
FBgn0036694  
FBgn0038986  
FBgn0032833  
FBgn0032756  
FBgn0023000  
FBgn0039032

FBgn0015239  
FBgn0039159  
FBgn0031565  
FBgn0039697  
FBgn0036368  
FBgn0023097  
FBgn0039892  
FBgn0033459  
FBgn0029920  
FBgn0038363  
FBgn0040009  
L71-3  
FBgn0010389  
FBgn0036703  
FBgn0028914  
FBgn0040929  
FBgn0013733  
FBgn0036115  
FBgn0035145  
FBgn0030934  
FBgn0003117  
FBgn0003150  
FBgn0036222  
FBgn0042213  
FBgn0013733  
FBgn0031472  
FBgn0037623  
FBgn0039869  
FBgn0033566  
FBgn0037408  
FBgn0030066  
FBgn0032078  
FBgn0031596  
FBgn0039543  
FBgn0036363  
FBgn0034049  
FBgn0040941  
FBgn0038326  
FBgn0034107  
FBgn0030802  
FBgn0036820  
FBgn0038140  
FBgn0031448  
FBgn0036579  
FBgn0032084  
FBgn0036901  
FBgn0032191  
FBgn0003733  
FBgn0002566  
FBgn0033068  
FBgn0032322



FBgn0034694  
FBgn0033787  
FBgn0003071  
FBgn0030043  
FBgn0033406  
FBgn0030452  
FBgn0028398  
FBgn0034248  
FBgn0033860  
FBgn0000640  
FBgn0034613  
FBgn0031059  
FBgn0039752  
FBgn0025582  
E78A  
FBgn0004635  
IMPL2  
FBgn0034989  
FBgn0032493  
FBgn0029710  
FBgn0002709  
FBgn0032243  
FBgn0036491  
FBgn0036812  
FBgn0035624  
FBgn0032495  
FBgn0034901  
FBgn0033862  
FBgn0025742  
FBgn0037619  
FBgn0040637  
FBgn0030514  
FBgn0038462  
FBgn0035729  
FBgn0030180  
FBgn0037204  
FBgn0004908  
FBgn0000462  
FBgn0020611  
FBgn0004066  
FBgn0039748  
FBgn0036660  
FBgn0011666  
FBgn0031619  
FBgn0026616  
FBgn0035404  
FBgn0015567  
FBgn0036843  
FBgn0037790  
FBgn0038798  
FBgn0041111

FBgn0016978  
FBgn0040251  
FBgn0013733  
FBgn0034935  
FBgn0031454  
FBgn0031337  
FBgn0032791  
FBgn0038919  
FBgn0036747  
FBgn0030985  
FBgn0037196  
FBgn0029174  
FBgn0004002  
FBgn0038235  
FBgn0040805  
FBgn0000384  
FBgn0037516  
FBgn0032872  
FBgn0036553  
FBgn0038704  
FBgn0035522  
FBgn0027052  
FBgn0001309  
FBgn0004574  
FBgn0031313  
FBgn0038290  
FBgn0031511  
FBgn0033274  
FBgn0037247  
FBgn0038169  
FBgn0032601  
FBgn0004381  
FBgn0031117  
FBgn0020300  
FBgn0032012  
FBgn0037099  
FBgn0036178  
FBgn0031442  
FBgn0030233  
FBgn0005674  
FBgn0038461  
FBgn0004839  
FBgn0031993  
FBgn0031423  
FBgn0023081  
FBgn0029738  
FBgn0024832  
FBgn0029123  
FBgn0035675  
FBgn0020641  
FBgn0034804

FBgn0037333  
FBgn0031493  
FBgn0032425  
FBgn0036712  
FBgn0036955  
FBgn0036798  
FBgn0004179  
FBgn0035952  
FBgn0032060  
FBgn0039786  
FBgn0035578  
FBgn0038431  
FBgn0033543  
FBgn0034523  
FBgn0028860  
FBgn0014851  
FBgn0037749  
FBgn0030142  
FBgn0033661  
FBgn0038222  
FBgn0031467  
FBgn0032826  
FBgn0037124  
FBgn0034936  
FBgn0039406  
FBgn0023526  
FBgn0033105  
FBgn0036902  
FBgn0037770  
FBgn0016131  
FBgn0037287  
FBgn0030343  
FBgn0038881  
FBgn0030879  
FBgn0030076  
FBgn0032048  
FBgn0004551  
FBgn0034231  
FBgn0026394  
FBgn0036740  
FBgn0003386  
FBgn0016081  
FBgn0015298  
FBgn0004174  
FBgn0023479  
FBgn0032101  
FBgn0031550  
FBgn0026781  
FBgn0030426  
FBgn0029659  
FBgn0033781

FBgn0031157  
FBgn0030108  
FBgn0035085  
FBgn0032719  
FBgn0036173  
FBgn0031824  
FBgn0036370  
FBgn0002564  
FBgn0036785  
FBgn0028646  
FBgn0029933  
FBgn0035038  
FBgn0032987  
FBgn0034772  
FBgn0036062  
FBgn0042134  
FBgn0016700  
FBgn0004892  
FBgn0039014  
FBgn0029706  
FBgn0040946  
FBgn0033191  
FBgn0003432  
FBgn0034389  
FBgn0030348  
FBgn0034944  
Cdc2c  
FBgn0004179  
FBgn0035076  
FBgn0034914  
FBgn0030161  
FBgn0034525  
FBgn0024811  
FBgn0032107  
FBgn0032682  
E74B  
FBgn0032378  
FBgn0017397  
FBgn0038715  
FBgn0033365  
FBgn0029134  
FBgn0036119  
FBgn0036415  
FBgn0030025  
FBgn0035244  
FBgn0034350  
FBgn0032112  
FBgn0029855  
FBgn0039326  
FBgn0038524  
FBgn0033578

FBgn0033138  
FBgn0020305  
FBgn0004571  
SGS-8  
FBgn0010241  
FBgn0037705  
FBgn0025693  
FBgn0040872  
FBgn0036295  
FBgn0001250  
FBgn0030418  
FBgn0035785  
FBgn0003600  
FBgn0040692  
FBgn0030287  
FBgn0036727  
FBgn0038558  
FBgn0033641  
FBgn0039015  
FBgn0034335  
FBgn0027348  
FBgn0030558  
FBgn0031566  
FBgn0003159  
FBgn0033540  
FBgn0027094  
FBgn0005278  
FBgn0033408  
FBgn0039275  
FBgn0025743  
FBgn0040811  
FBgn0027596  
FBgn0037639  
FBgn0014010  
FBgn0015010  
FBgn0036504  
FBgn0030539  
FBgn0037935  
FBgn0036901  
FBgn0035547  
FBgn0030229  
FBgn0004782  
FBgn0033188  
FBgn0033308  
FBgn0038554  
FBgn0031391  
FBgn0031777  
FBgn0023001  
FBgn0033128  
FBgn0004594  
FBgn0015773

FBgn0038634  
FBgn0031380  
FBgn0035721  
FBgn0030663  
FBgn0036006  
FBgn0031188  
FBgn0032902  
FBgn0015777  
FBgn0037696  
FBgn0025615  
FBgn0036054  
FBgn0037632  
FBgn0036722  
FBgn0033793  
FBgn0036622  
FBgn0035650  
FBgn0039717  
FBgn0034883  
FBgn0035642  
FBgn0035073  
FBgn0000527  
FBgn0036114  
FBgn0023444  
FBgn0034945  
FBgn0035136  
FBgn0010408  
FBgn0033611  
FBgn0040755  
FBgn0037186  
FBgn0032095  
FBgn0034260  
FBgn0013955  
FBgn0000639  
FBgn0020236  
FBgn0031167  
FBgn0037875  
FBgn0033208  
FBgn0027946  
FBgn0030276  
FBgn0003308  
FBgn0029866  
FBgn0038341  
FBgn0032929  
FBgn0040713  
FBgn0023537  
FBgn0001205  
FBgn0035655  
FBgn0039612  
FBgn0039890  
FBgn0033664  
FBgn0034378

FBgn0029916  
FBgn0034711  
FBgn0029941  
FBgn0020623  
FBgn0036709  
E75B  
FBgn0040104  
FBgn0015946  
FBgn0037593  
FBgn0014396  
FBgn0033224  
FBgn0035475  
FBgn0031390  
FBgn0040714  
FBgn0031471  
FBgn0030433  
FBgn0001138  
FBgn0038063  
FBgn0001257  
FBgn0042138  
FBgn0040874  
FBgn0036295  
FBgn0034879  
FBgn0038976  
FBgn0022702  
FBgn0036705  
FBgn0031419  
FBgn0038410  
FBgn0000228  
FBgn0035254  
FBgn0035391  
FBgn0037476  
FBgn0033927  
FBgn0033636  
FBgn0033868  
FBgn0038987  
FBgn0039802  
FBgn0001090  
FBgn0037782  
FBgn0030990  
FBgn0030582  
FBgn0010397  
FBgn0031360  
FBgn0039919  
FBgn0038642  
FBgn0002921  
FBgn0002069  
FBgn0032654  
FBgn0030064  
FBgn0002563  
FBgn0040259

FBgn0040963  
FBgn0030138  
FBgn0036690  
FBgn0026778  
FBgn0039832  
FBgn0036762  
FBgn0004397  
FBgn0004587  
FBgn0035902  
FBgn0038718  
FBgn0041789  
FBgn0028535  
FBgn0033643  
FBgn0026315  
FBgn0039266  
FBgn0030782  
FBgn0031267  
FBgn0034624  
FBgn0030462  
FBgn0030088  
Eip63E|CG10579  
FBgn0035083  
FBgn0031238  
FBgn0033714  
FBgn0011297  
FBgn0034027  
FBgn0035815  
FBgn0030154  
FBgn0031713  
FBgn0026361  
FBgn0036577  
FBgn0027786  
FBgn0032021  
FBgn0030341  
FBgn0036901  
FBgn0028683  
FBgn0031029  
FBgn0036869  
FBgn0034792  
FBgn0028699  
FBgn0010218  
FBgn0027583  
FBgn0027547  
FBgn0001108  
FBgn0039736  
FBgn0036687  
FBgn0001233  
FBgn0025336  
FBgn0039849  
FBgn0040960  
FBgn0039712



FBgn0035783  
FBgn0039111  
FBgn0039130  
FBgn0040232  
FBgn0040207  
FBgn0037574  
FBgn0010435  
FBgn0023388  
FBgn0033509

## Table S3

### **Ftz targets list from ChIP-chip binding sites mapping**

FBgn0036630  
FBgn0024150  
FBgn0013591  
FBgn0003507  
FBgn0027660  
FBgn0038192  
FBgn0020251  
FBgn0031759  
FBgn0001222  
FBgn0015278  
FBgn0038264  
FBgn0035342  
FBgn0032918  
FBgn0031398  
FBgn0026875  
FBgn0036914  
FBgn0005410  
FBgn0038150  
FBgn0035978  
FBgn0003177  
FBgn0011817  
FBgn0020620  
FBgn0035692  
FBgn0024921  
FBgn0038118  
FBgn0030024  
FBgn0013733  
FBgn0016797  
FBgn0020245  
FBgn0004465  
FBgn0010382  
FBgn0036103  
FBgn0039019  
FBgn0001309  
FBgn0010247  
FBgn0003118  
FBgn0030868  
FBgn0022069  
FBgn0020427  
FBgn0023526  
FBgn0035340  
FBgn0033103  
FBgn0035174  
FBgn0036826  
FBgn0035574  
FBgn0038457  
FBgn0003175

FBgn0030306  
FBgn0000575  
FBgn0000546  
FBgn0035229  
FBgn0015806  
FBgn0003274  
FBgn0042630  
FBgn0035210  
FBgn0016697  
FBgn0001085  
FBgn0031303  
FBgn0034240  
FBgn0003200  
FBgn0027655  
FBgn0031236  
FBgn0003607  
FBgn0033559  
FBgn0003656  
FBgn0002973  
FBgn0029933  
FBgn0037443  
FBgn0035172  
FBgn0032629  
FBgn0031684  
FBgn0032002  
FBgn0034606  
FBgn0036398  
FBgn0038853  
FBgn0029138  
FBgn0001994  
FBgn0003896  
FBgn0032497  
FBgn0039688  
FBgn0037639  
FBgn0039528  
FBgn0030942  
FBgn0040059  
FBgn0037199  
FBgn0026616  
FBgn0038335  
FBgn0033922  
FBgn0011288  
FBgn0003659  
FBgn0000395  
FBgn0039266  
FBgn0038430  
FBgn0011766  
FBgn0037771  
FBgn0013984  
FBgn0010460  
FBgn0036350

FBgn0001977  
FBgn0033159  
FBgn0038816  
FBgn0005630  
FBgn0037243  
FBgn0004837  
FBgn0034644  
FBgn0001122  
FBgn0040295  
FBgn0004368  
FBgn0036099  
FBgn0040884  
FBgn0017557  
FBgn0030809  
FBgn0010409  
FBgn0004893  
FBgn0035397  
FBgn0002284  
FBgn0037198  
FBgn0037971  
FBgn0010389  
FBgn0028914  
FBgn0003371  
FBgn0003715  
FBgn0038803  
FBgn0033218  
FBgn0036461  
FBgn0032756  
FBgn0029856  
FBgn0022764  
FBgn0028683  
FBgn0039148  
FBgn0003048  
FBgn0033552  
FBgn0005624  
FBgn0036856  
FBgn0040533  
FBgn0001981  
FBgn0034071  
FBgn0038382  
FBgn0030225  
FBgn0030674  
FBgn0038887  
FBgn0032646  
FBgn0029577  
FBgn0035706  
FBgn0032426  
FBgn0032450  
FBgn0032001  
FBgn0038891  
FBgn0033758

FBgn0039181  
FBgn0038119  
FBgn0037648  
FBgn0037768  
FBgn0036825  
FBgn0037113  
FBgn0034321  
FBgn0036701  
FBgn0010265  
FBgn0033053  
FBgn0033434  
FBgn0037446  
FBgn0030268  
FBgn0003731  
FBgn0035230  
FBgn0038144  
FBgn0038898  
FBgn0000157  
FBgn0000480  
FBgn0030300  
FBgn0038372  
FBgn0002921  
FBgn0034042  
FBgn0035030  
FBgn0003499  
FBgn0037992  
FBgn0035059  
FBgn0036095  
FBgn0037848  
FBgn0035618  
FBgn0000636  
FBgn0038824  
FBgn0034987  
FBgn0035439  
FBgn0005642  
FBgn0032711  
FBgn0038528  
FBgn0032405  
FBgn0032955  
FBgn0011253  
FBgn0031922  
FBgn0033708  
FBgn0013997  
FBgn0032225  
FBgn0025390  
FBgn0004102  
FBgn0034041  
FBgn0003450  
FBgn0037034  
FBgn0030344  
FBgn0037160

FBgn0033994  
FBgn0013969  
FBgn0001269  
FBgn0031794  
FBgn0039886  
FBgn0000299  
FBgn0034420  
FBgn0023095  
FBgn0014396  
FBgn0034526  
FBgn0031841  
FBgn0003009  
FBgn0032438  
FBgn0035927  
FBgn0033531  
FBgn0037792  
FBgn0030963  
FBgn0034501  
FBgn0039348  
FBgn0033560  
FBgn0035799  
FBgn0039352  
FBgn0036239  
FBgn0035379  
FBgn0031280  
FBgn0022246  
FBgn0037538  
FBgn0034848  
FBgn0028507  
FBgn0025806  
FBgn0036857  
FBgn0033375  
FBgn0010516  
FBgn0039646  
FBgn0028685  
FBgn0033759  
FBgn0000629  
FBgn0033418  
FBgn0013810  
FBgn0033015  
FBgn0003360  
FBgn0004002  
FBgn0036340  
FBgn0033715  
FBgn0031234  
FBgn0027529  
FBgn0041186  
FBgn0036739  
FBgn0005677  
FBgn0035429  
FBgn0040297

FBgn0036824  
FBgn0035539  
FBgn0037471  
FBgn0034434  
FBgn0035525  
FBgn0031797  
FBgn0000173  
FBgn0030308  
FBgn0032981  
FBgn0037687  
FBgn0039507  
FBgn0039018  
FBgn0032011  
FBgn0038629  
FBgn0039849  
FBgn0036995  
FBgn0034849  
FBgn0033064  
FBgn0038375  
FBgn0032006  
FBgn0038935  
FBgn0028663  
FBgn0015907  
FBgn0035707  
FBgn0036349  
FBgn0038858  
FBgn0034832  
FBgn0037202  
FBgn0029670  
FBgn0040693  
FBgn0032686  
FBgn0032427  
FBgn0032603  
FBgn0024754  
FBgn0029663  
FBgn0004865  
FBgn0032717  
FBgn0020611  
FBgn0037972  
FBgn0025635  
FBgn0004666  
FBgn0000114  
FBgn0027597  
FBgn0039136  
FBgn0021776  
FBgn0030972  
FBgn0029858  
FBgn0035065  
FBgn0030064  
FBgn0036523  
FBgn0015270

FBgn0004449  
FBgn0015930  
FBgn0030299  
FBgn0015222  
FBgn0037858  
FBgn0033532  
FBgn0038250  
FBgn0039353  
FBgn0030746  
FBgn0039420  
FBgn0040615  
FBgn0034423  
FBgn0030894  
FBgn0037938  
FBgn0035378  
FBgn0031210  
FBgn0002970  
FBgn0037346  
FBgn0026409  
FBgn0002069  
FBgn0039972  
FBgn0034950  
FBgn0035765  
FBgn0034157  
FBgn0039468  
FBgn0004914  
FBgn0000011  
FBgn0033106  
FBgn0031238  
FBgn0031840  
FBgn0033578  
FBgn0037959  
FBgn0032219  
FBgn0034957  
FBgn0030022  
FBgn0038374  
FBgn0038247  
FBgn0039754  
FBgn0039166  
FBgn0002522  
FBgn0034141  
FBgn0032476  
FBgn0034044  
FBgn0033267  
FBgn0034664  
FBgn0003165  
FBgn0042693  
FBgn0037529  
FBgn0034067  
FBgn0031037  
FBgn0032440



FBgn0040689  
FBgn0032154  
FBgn0039647  
FBgn0034720  
FBgn0030788  
FBgn0043005  
FBgn0025640  
FBgn0033203  
FBgn0034888  
FBgn0040520  
FBgn0034695  
FBgn0030307  
FBgn0034408  
FBgn0027552  
FBgn0034831  
FBgn0029881  
FBgn0031496  
FBgn0037877  
FBgn0002926  
FBgn0040375  
FBgn0005619  
FBgn0031452  
FBgn0039626  
FBgn0036827  
FBgn0011296  
FBgn0027946  
FBgn0035526  
FBgn0027532  
FBgn0035881  
FBgn0036793  
FBgn0038151  
FBgn0029774  
FBgn0030676  
FBgn0032218  
FBgn0035211  
FBgn0039049  
FBgn0033926  
FBgn0031240  
FBgn0036631  
FBgn0003065  
FBgn0034032  
FBgn0037084  
FBgn0029668  
FBgn0033102  
FBgn0031364  
FBgn0039962  
FBgn0002968  
FBgn0038863  
FBgn0036997  
FBgn0029901  
FBgn0030343

FBgn0037201  
FBgn0033778  
FBgn0022984  
FBgn0040537  
FBgn0035341  
FBgn0008651  
FBgn0038780  
FBgn0032744  
FBgn0034954  
FBgn0038167  
FBgn0029772  
FBgn0031150  
FBgn0000108  
FBgn0038889  
FBgn0039844  
FBgn0033508  
FBgn0013725  
FBgn0032151  
FBgn0015933  
FBgn0001220  
FBgn0010453  
FBgn0040999  
FBgn0027621  
FBgn0035244  
FBgn0036202  
FBgn0024364  
FBgn0036629  
FBgn0038754  
FBgn0027511  
FBgn0000014  
FBgn0037859  
FBgn0015380  
FBgn0032404  
FBgn0000061  
FBgn0031995  
FBgn0016696  
FBgn0039607  
FBgn0022361  
FBgn0034726  
FBgn0033720  
FBgn0041205  
FBgn0003447  
FBgn0034663  
FBgn0036984  
FBgn0002022  
FBgn0031795  
FBgn0030458  
FBgn0037847  
FBgn0030023  
FBgn0034431  
FBgn0039206

FBgn0038933  
FBgn0004167  
FBgn0021764  
FBgn0030152  
FBgn0034830  
FBgn0028428  
FBgn0034347  
FBgn0025693  
FBgn0020616  
FBgn0035424  
FBgn0032960  
FBgn0039897  
FBgn0034857  
FBgn0035001  
FBgn0028495  
FBgn0031453  
FBgn0030216  
FBgn0038263  
FBgn0011656  
FBgn0040392  
FBgn0038145  
FBgn0037217  
FBgn0032688  
FBgn0037878  
FBgn0004052  
FBgn0037033  
FBgn0039354  
FBgn0033276  
FBgn0038195  
FBgn0040853  
FBgn0010288  
FBgn0036412  
FBgn0004834  
FBgn0029576  
FBgn0033583  
FBgn0037814  
FBgn0038696  
FBgn0035362  
FBgn0039644  
FBgn0040809  
FBgn0029502  
FBgn0025111  
FBgn0035573  
FBgn0040991  
FBgn0030964  
FBgn0038168  
FBgn0032585  
FBgn0031348  
FBgn0034955  
FBgn0034421  
FBgn0035501

FBgn0001123  
FBgn0038511  
FBgn0034931  
FBgn0024370  
FBgn0037961  
FBgn0035057  
FBgn0014141  
FBgn0038461  
FBgn0023548  
FBgn0041145  
FBgn0038859  
FBgn0039852  
FBgn0031463  
FBgn0039545  
FBgn0038114  
FBgn0038255  
FBgn0030912  
FBgn0039287  
FBgn0038336  
FBgn0036379  
FBgn0038755  
FBgn0039138  
FBgn0040071  
FBgn0020379  
FBgn0035392  
FBgn0032735  
FBgn0019948  
FBgn0039831  
FBgn0040948  
FBgn0030305  
FBgn0031046  
FBgn0000568  
FBgn0035395  
FBgn0041627  
FBgn0036773  
FBgn0010350  
FBgn0035363  
FBgn0026729  
FBgn0031362  
FBgn0016694  
FBgn0037509  
FBgn0042209  
FBgn0031200  
FBgn0034970  
FBgn0038254  
FBgn0031349  
FBgn0010434  
FBgn0032185  
FBgn0015299  
FBgn0025803  
FBgn0034952

FBgn0035771  
FBgn0031950  
FBgn0029983  
FBgn0035220  
FBgn0010348  
FBgn0031032  
FBgn0015818  
FBgn0036994  
FBgn0038936  
FBgn0030019  
FBgn0036634  
FBgn0039750  
FBgn0015776  
FBgn0021818  
FBgn0022724  
FBgn0026411  
FBgn0030677  
FBgn0028886  
FBgn0031996  
FBgn0000015  
FBgn0036351  
FBgn0040503  
FBgn0004622  
FBgn0013954  
FBgn0031153  
FBgn0029773  
FBgn0036097  
FBgn0031062  
FBgn0035243  
FBgn0016059  
FBgn0033586  
FBgn0036059  
FBgn0031350  
FBgn0016650  
FBgn0035144  
FBgn0033438  
FBgn0032005  
FBgn0015000  
FBgn0036241  
FBgn0027339  
FBgn0033095  
FBgn0013548  
FBgn0039177  
FBgn0032027  
FBgn0030217  
FBgn0034740  
FBgn0024753  
FBgn0025726  
FBgn0011723  
FBgn0027600  
FBgn0039318

FBgn0031319  
FBgn0029095  
FBgn0001099  
FBgn0004892  
FBgn0037031  
FBgn0038701  
FBgn0030865  
FBgn0037702  
FBgn0002989  
FBgn0031495  
FBgn0033000  
FBgn0028496  
FBgn0031198  
FBgn0031318  
FBgn0022768  
FBgn0037767  
FBgn0036973  
FBgn0028645  
FBgn0039054  
FBgn0002643  
FBgn0037086  
FBgn0025692  
FBgn0030153  
FBgn0033376  
FBgn0028695  
FBgn0033109  
FBgn0037154  
FBgn0020762  
FBgn0030360  
FBgn0038172  
FBgn0011555  
FBgn0033923  
FBgn0033533  
FBgn0029907  
FBgn0033054  
FBgn0026563  
FBgn0019990  
FBgn0004644  
FBgn0038248  
FBgn0014009  
FBgn0040890  
FBgn0039550  
FBgn0037278  
FBgn0001316  
FBgn0034886  
FBgn0038029  
FBgn0039050  
FBgn0036368  
FBgn0037686  
FBgn0039880  
FBgn0031355

FBgn0029984  
FBgn0015390  
FBgn0036378  
FBgn0039317  
FBgn0035770  
FBgn0038699  
FBgn0033128  
FBgn0003691  
FBgn0034351  
FBgn0036267  
FBgn0039858  
FBgn0033202  
FBgn0038028  
FBgn0003862  
FBgn0039827  
FBgn0030807  
FBgn0035575  
FBgn0036635  
FBgn0028856  
FBgn0033719  
FBgn0032477  
FBgn0034953  
FBgn0035394  
FBgn0004210  
FBgn0003944  
FBgn0022347  
FBgn0015872  
FBgn0001084  
FBgn0033551  
FBgn0037168  
FBgn0037016  
FBgn0037236  
FBgn0036373  
FBgn0036799  
FBgn0004378  
FBgn0039691  
FBgn0036096  
FBgn0040619  
FBgn0035339  
FBgn0039167  
FBgn0031033  
FBgn0015011  
FBgn0026879  
FBgn0039104  
FBgn0040273  
FBgn0033925  
FBgn0031306  
FBgn0027951  
FBgn0030867  
FBgn0003984  
FBgn0027518

FBgn0039547  
FBgn0030361  
FBgn0038265  
FBgn0032403  
FBgn0024365  
FBgn0004363  
FBgn0042199  
FBgn0031793  
FBgn0037531  
FBgn0030021  
FBgn0033510  
FBgn0037032  
FBgn0036191  
FBgn0040465  
FBgn0033990  
FBgn0036058  
FBgn0040505  
FBgn0037527  
FBgn0039285  
FBgn0033188  
FBgn0033585  
FBgn0030675  
FBgn0034430  
FBgn0026432  
FBgn0037153  
FBgn0031829  
FBgn0036642  
FBgn0036316  
FBgn0033496  
FBgn0027497  
FBgn0031745  
FBgn0000036  
FBgn0030789  
FBgn0026564  
FBgn0039205  
FBgn0037070  
FBgn0031022  
FBgn0015904  
FBgn0029906  
FBgn0037189  
FBgn0033534  
FBgn0001991  
FBgn0031149  
FBgn0038193  
FBgn0036798  
FBgn0028646  
FBgn0037442  
FBgn0034263  
FBgn0005612  
FBgn0001205  
FBgn0041111



FBgn0031038  
FBgn0032423  
FBgn0035446  
FBgn0031874  
FBgn0039482  
FBgn0003162  
FBgn0010482  
FBgn0036636  
FBgn0037641  
FBgn0000376  
FBgn0038995  
FBgn0026259  
FBgn0035979  
FBgn0023524  
FBgn0037242  
FBgn0000412  
FBgn0039875  
FBgn0036560  
FBgn0038784  
FBgn0039508  
FBgn0002023  
FBgn0004377  
FBgn0034958  
FBgn0040883  
FBgn0031796  
FBgn0032510  
FBgn0034629  
FBgn0031581  
FBgn0035540  
FBgn0034417  
FBgn0031999  
FBgn0015623  
FBgn0014019  
FBgn0010070  
FBgn0036243  
FBgn0032498  
FBgn0015221  
FBgn0032687  
FBgn0038801  
FBgn0031354  
FBgn0037507  
FBgn0031211  
FBgn0031088  
FBgn0026193  
FBgn0000008  
FBgn0030662  
FBgn0035530  
FBgn0000022  
FBgn0033945  
FBgn0034264  
FBgn0031799

FBgn0028684  
FBgn0037071  
FBgn0035971  
FBgn0038937  
FBgn0035425  
FBgn0032710  
FBgn0004396  
FBgn0034429  
FBgn0003093  
FBgn0028890  
FBgn0029891  
FBgn0039110  
FBgn0035331  
FBgn0036140  
FBgn0029594  
FBgn0037067  
FBgn0003339  
FBgn0034929  
FBgn0028479  
FBgn0026404  
FBgn0004606  
FBgn0034348  
FBgn0036219  
FBgn0025698  
FBgn0030362  
FBgn0027505  
FBgn0002542  
FBgn0004242  
FBgn0037190  
FBgn0039605  
FBgn0030973  
FBgn0035766  
FBgn0003975  
FBgn0037739  
FBgn0032862  
FBgn0031727  
FBgn0005777  
FBgn0033052  
FBgn0036133  
FBgn0004889  
FBgn0023423  
FBgn0038822  
FBgn0037528  
FBgn0010382  
FBgn0042198  
FBgn0037642  
FBgn0039881  
FBgn0040966  
FBgn0033094  
FBgn0032630  
FBgn0035925

FBgn0003075  
FBgn0037720  
FBgn0003986  
FBgn0033946  
FBgn0010282  
FBgn0034563  
FBgn0034450  
FBgn0016917  
FBgn0034951  
FBgn0001170  
FBgn0038862  
FBgn0030661  
FBgn0031061  
FBgn0036521  
FBgn0039876  
FBgn0003444  
FBgn0000719  
FBgn0024245  
FBgn0038867  
FBgn0031448  
FBgn0030971  
FBgn0040038  
FBgn0033828  
FBgn0034525  
FBgn0037347  
FBgn0033618  
FBgn0040771  
FBgn0025595  
FBgn0038191  
FBgn0036993  
FBgn0034894  
FBgn0031039  
FBgn0029811  
FBgn0034353  
FBgn0014362  
FBgn0003870  
FBgn0039135  
FBgn0035477  
FBgn0010347  
FBgn0035453  
FBgn0030816  
FBgn0036100  
FBgn0003525  
FBgn0034400  
FBgn0039168  
FBgn0036244  
FBgn0041713  
FBgn0039265  
FBgn0041092  
FBgn0000567  
FBgn0016047

FBgn0037018  
FBgn0039549  
FBgn0038652  
FBgn0004571  
FBgn0001219  
FBgn0036946  
FBgn0005776  
FBgn0005775  
FBgn0037261  
FBgn0032130  
FBgn0033647  
FBgn0036389  
FBgn0035619  
FBgn0038899  
FBgn0031250  
FBgn0031199  
FBgn0015542  
FBgn0004638  
FBgn0036974  
FBgn0022701  
FBgn0030394  
FBgn0000242  
FBgn0034089  
FBgn0034301  
FBgn0034261  
FBgn0034935  
FBgn0003749  
FBgn0038373  
FBgn0000017  
FBgn0037508  
FBgn0032517  
FBgn0000448  
FBgn0038529  
FBgn0031898  
FBgn0025352  
FBgn0030453  
FBgn0040749  
FBgn0034258  
FBgn0037411  
FBgn0038703  
FBgn0033870  
FBgn0000504  
FBgn0034643  
FBgn0040228  
FBgn0030948  
FBgn0037547  
FBgn0040379  
FBgn0022131  
FBgn0035087  
FBgn0032916  
FBgn0039178

FBgn0023518  
FBgn0000317  
FBgn0015609  
FBgn0001215

## Table S4

### Eve targets list from ChIP-chip binding sites mapping

FBgn0031454  
FBgn0038493  
FBgn0035116  
FBgn0038169  
FBgn0034602  
FBgn0015300  
FBgn0033842  
FBgn0036339  
FBgn0035650  
FBgn0027108  
FBgn0030478  
FBgn0039732  
FBgn0040889  
FBgn0013733  
FBgn0030452  
FBgn0030451  
FBgn0031596  
FBgn0030064  
FBgn0000163  
FBgn0040754  
FBgn0001138  
FBgn0001309  
FBgn0035456  
FBgn0015621  
FBgn0042693  
FBgn0028704  
FBgn0037632  
FBgn0033918  
FBgn0039869  
FBgn0023526  
FBgn0001257  
FBgn0038580  
FBgn0001220  
FBgn0033208  
FBgn0031020  
FBgn0011666  
FBgn0030180  
FBgn0038720  
FBgn0029941  
FBgn0034542  
FBgn0037875  
FBgn0037295  
FBgn0039297  
FBgn0036715  
FBgn0039095  
FBgn0035954  
FBgn0023477

FBgn0040709  
FBgn0033559  
FBgn0038524  
FBgn0030341  
FBgn0033636  
FBgn0019664  
FBgn0030534  
FBgn0031574  
FBgn0032248  
FBgn0002989  
FBgn0032629  
FBgn0039032  
FBgn0038620  
FBgn0020236  
FBgn0029653  
FBgn0039263  
FBgn0037048  
FBgn0035073  
FBgn0027524  
FBgn0003984  
FBgn0037639  
FBgn0016081  
FBgn0037153  
FBgn0038881  
FBgn0039014  
FBgn0000489  
FBgn0030958  
FBgn0035569  
FBgn0039266  
FBgn0003145  
FBgn0010349  
FBgn0031599  
FBgn0033588  
FBgn0011300  
FBgn0039736  
FBgn0031456  
FBgn0032833  
FBgn0039633  
FBgn0013759  
FBgn0031448  
FBgn0040207  
FBgn0028914  
FBgn0004066  
FBgn0037261  
FBgn0032756  
FBgn0032348  
FBgn0036818  
FBgn0000581  
FBgn0034738  
FBgn0035624  
FBgn0001128

FBgn0020503  
FBgn0040530  
FBgn0039569  
FBgn0034860  
FBgn0033556  
FBgn0034125  
FBgn0038834  
FBgn0013591  
FBgn0030992  
FBgn0037980  
FBgn0004404  
FBgn0034620  
FBgn0004625  
FBgn0000241  
FBgn0037768  
FBgn0036825  
FBgn0003138  
FBgn0036456  
FBgn0033434  
FBgn0005634  
FBgn0003731  
FBgn0011660  
FBgn0033589  
FBgn0038192  
FBgn0000480  
FBgn0039739  
FBgn0032974  
FBgn0029158  
FBgn0038372  
FBgn0034042  
FBgn0032693  
FBgn0037992  
FBgn0035059  
FBgn0037748  
FBgn0000636  
FBgn0035728  
FBgn0034270  
FBgn0003328  
FBgn0037526  
FBgn0039870  
FBgn0023172  
FBgn0003087  
FBgn0034967  
FBgn0025366  
FBgn0037668  
FBgn0030617  
FBgn0024909  
FBgn0002932  
FBgn0035439  
FBgn0031850  
FBgn0032711



FBgn0004145  
FBgn0032718  
FBgn0032884  
FBgn0038980  
FBgn0033699  
FBgn0010379  
FBgn0027066  
FBgn0020912  
FBgn0002440  
FBgn0033749  
FBgn0039738  
FBgn0037160  
FBgn0037468  
FBgn0035118  
FBgn0026875  
FBgn0037253  
FBgn0036274  
FBgn0037393  
FBgn0036914  
FBgn0032962  
FBgn0038494  
FBgn0003423  
FBgn0032438  
FBgn0030622  
FBgn0034208  
FBgn0003396  
FBgn0000363  
FBgn0005655  
FBgn0033560  
FBgn0031890  
FBgn0034112  
FBgn0037567  
FBgn0027540  
FBgn0036603  
FBgn0028525  
FBgn0034099  
FBgn0036561  
FBgn0022246  
FBgn0037728  
FBgn0020930  
FBgn0003177  
FBgn0040539  
FBgn0036676  
FBgn0025384  
FBgn0031455  
FBgn0030913  
FBgn0019886  
FBgn0038599  
FBgn0033349  
FBgn0035651  
FBgn0015288

FBgn0038391  
FBgn0033435  
FBgn0033433  
FBgn0034534  
FBgn0004876  
FBgn0030318  
FBgn0036340  
FBgn0031234  
FBgn0038436  
FBgn0000054  
FBgn0041186  
FBgn0030885  
FBgn0036739  
FBgn0005677  
FBgn0036824  
FBgn0032694  
FBgn0035539  
FBgn0028953  
FBgn0024352  
FBgn0016132  
FBgn0024252  
FBgn0029924  
FBgn0035117  
FBgn0039172  
FBgn0030567  
FBgn0033856  
FBgn0035072  
FBgn0038624  
FBgn0033064  
FBgn0029898  
FBgn0036125  
FBgn0038375  
FBgn0030024  
FBgn0038935  
FBgn0004636  
FBgn0032407  
FBgn0040284  
FBgn0039026  
FBgn0013272  
FBgn0034933  
FBgn0035422  
FBgn0035459  
FBgn0038858  
FBgn0031849  
FBgn0016797  
FBgn0031637  
FBgn0024182  
FBgn0004885  
FBgn0004435  
FBgn0034527  
FBgn0033803

FBgn0031879  
FBgn0020245  
FBgn0032717  
FBgn0032885  
FBgn0031017  
FBgn0032406  
FBgn0037682  
FBgn0011592  
FBgn0035440  
FBgn0039096  
FBgn0034111  
FBgn0034271  
FBgn0013325  
FBgn0030165  
FBgn0030479  
FBgn0011217  
FBgn0028703  
FBgn0034060  
FBgn0031374  
FBgn0003435  
FBgn0004449  
FBgn0035247  
FBgn0005558  
FBgn0038806  
FBgn0034981  
FBgn0037566  
FBgn0039058  
FBgn0027586  
FBgn0010411  
FBgn0040615  
FBgn0029923  
FBgn0034228  
FBgn0031233  
FBgn0037612  
FBgn0040538  
FBgn0035378  
FBgn0038320  
FBgn0022720  
FBgn0036562  
FBgn0000097  
FBgn0037692  
FBgn0030702  
FBgn0039559  
FBgn0002970  
FBgn0013469  
FBgn0010247  
FBgn0037346  
FBgn0030488  
FBgn0036864  
FBgn0033575  
FBgn0041702

FBgn0019809  
FBgn0003118  
FBgn0003022  
FBgn0034370  
FBgn0004914  
FBgn0037392  
FBgn0020496  
FBgn0011763  
FBgn0025593  
FBgn0031661  
FBgn0034087  
FBgn0031666  
FBgn0030022  
FBgn0036545  
FBgn0038374  
FBgn0029655  
FBgn0036817  
FBgn0039166  
FBgn0034044  
FBgn0003165  
FBgn0030564  
FBgn0031820  
FBgn0032489  
FBgn0033992  
FBgn0032440  
FBgn0029798  
FBgn0040689  
FBgn0035976  
FBgn0028494  
FBgn0030337  
FBgn0031576  
FBgn0031090  
FBgn0039281  
FBgn0028419  
FBgn0020304  
FBgn0003717  
FBgn0004586  
FBgn0038669  
FBgn0036215  
FBgn0038552  
FBgn0030307  
FBgn0034408  
FBgn0036483  
FBgn0031043  
FBgn0038839  
FBgn0036558  
FBgn0037394  
FBgn0002626  
FBgn0031892  
FBgn0034962  
FBgn0032536

FBgn0000289  
FBgn0034531  
FBgn0026611  
FBgn0033186  
FBgn0031741  
FBgn0037530  
FBgn0037587  
FBgn0029942  
FBgn0039215  
FBgn0023215  
FBgn0030242  
FBgn0038893  
FBgn0040475  
FBgn0033857  
FBgn0022740  
FBgn0027560  
FBgn0035921  
FBgn0035457  
FBgn0036631  
FBgn0004915  
FBgn0004446  
FBgn0038930  
FBgn0028692  
FBgn0030521  
FBgn0031285  
FBgn0023511  
FBgn0034619  
FBgn0039962  
FBgn0001197  
FBgn0013269  
FBgn0036678  
FBgn0039123  
FBgn0040537  
FBgn0015565  
FBgn0035574  
FBgn0008651  
FBgn0038780  
FBgn0033676  
FBgn0034797  
FBgn0000108  
FBgn0039844  
FBgn0032151  
FBgn0034980  
FBgn0029791  
FBgn0001297  
FBgn0033681  
FBgn0030576  
FBgn0027621  
FBgn0035410  
FBgn0010768  
FBgn0037049

FBgn0038754  
FBgn0033802  
FBgn0015276  
FBgn0003175  
FBgn0038991  
FBgn0031294  
FBgn0030266  
FBgn0039480  
FBgn0031635  
FBgn0011704  
FBgn0003942  
FBgn0014388  
FBgn0032233  
FBgn0039280  
FBgn0004880  
FBgn0003716  
FBgn0030241  
FBgn0003244  
FBgn0040761  
FBgn0028874  
FBgn0027364  
FBgn0030023  
FBgn0037640  
FBgn0000575  
FBgn0038933  
FBgn0039735  
FBgn0000479  
FBgn0040596  
FBgn0025681  
FBgn0000546  
FBgn0032802  
FBgn0038622  
FBgn0019650  
FBgn0028495  
FBgn0030058  
FBgn0037171  
FBgn0002525  
FBgn0033083  
FBgn0011259  
FBgn0033187  
FBgn0036164  
FBgn0010909  
FBgn0034181  
FBgn0026741  
FBgn0035595  
FBgn0031232  
FBgn0038831  
FBgn0004834  
FBgn0029576  
FBgn0021953  
FBgn0020386

FBgn0036930  
FBgn0034961  
FBgn0004198  
FBgn0034410  
FBgn0035573  
FBgn0023510  
FBgn0030342  
FBgn0038678  
FBgn0017556  
FBgn0040991  
FBgn0039920  
FBgn0038168  
FBgn0004897  
FBgn0037683  
FBgn0038098  
FBgn0037195  
FBgn0034276  
FBgn0032963  
FBgn0032217  
FBgn0034180  
FBgn0030018  
FBgn0000557  
FBgn0039324  
FBgn0011739  
FBgn0030400  
FBgn0034369  
FBgn0033858  
FBgn0037635  
FBgn0013753  
FBgn0004395  
FBgn0028875  
FBgn0030812  
FBgn0038859  
FBgn0000256  
FBgn0033209  
FBgn0030799  
FBgn0014467  
FBgn0037277  
FBgn0031079  
FBgn0031303  
FBgn0040079  
FBgn0037920  
FBgn0037306  
FBgn0035867  
FBgn0039545  
FBgn0011260  
FBgn0039287  
FBgn0038755  
FBgn0036372  
FBgn0040071  
FBgn0036101

FBgn0005672  
FBgn0014269  
FBgn0032747  
FBgn0033989  
FBgn0013764  
FBgn0037669  
FBgn0040961  
FBgn0037662  
FBgn0000568  
FBgn0017457  
FBgn0002849  
FBgn0015514  
FBgn0000667  
FBgn0036034  
FBgn0032696  
FBgn0033745  
FBgn0020224  
FBgn0016694  
FBgn0005659  
FBgn0042209  
FBgn0025394  
FBgn0031236  
FBgn0033988  
FBgn0029674  
FBgn0020240  
FBgn0031304  
FBgn0025803  
FBgn0036484  
FBgn0035289  
FBgn0029983  
FBgn0035576  
FBgn0021761  
FBgn0031162  
FBgn0004647  
FBgn0038936  
FBgn0030019  
FBgn0036634  
FBgn0027568  
FBgn0030685  
FBgn0027581  
FBgn0015245  
FBgn0029514  
FBgn0034216  
FBgn0031288  
FBgn0026411  
FBgn0031706  
FBgn0030768  
FBgn0040335  
FBgn0035074  
FBgn0039099  
FBgn0039632



FBgn0038671  
FBgn0031578  
FBgn0036097  
FBgn0002863  
FBgn0013948  
FBgn0037876  
FBgn0040912  
FBgn0029996  
FBgn0024989  
FBgn0011571  
FBgn0033438  
FBgn0024998  
FBgn0004924  
FBgn0005671  
FBgn0035127  
FBgn0038008  
FBgn0020360  
FBgn0036268  
FBgn0038452  
FBgn0000486  
FBgn0015954  
FBgn0030865  
FBgn0036216  
FBgn0015905  
FBgn0034227  
FBgn0033522  
FBgn0033000  
FBgn0034897  
FBgn0035423  
FBgn0003151  
FBgn0037443  
FBgn0036866  
FBgn0040897  
FBgn0034299  
FBgn0032488  
FBgn0038562  
FBgn0037767  
FBgn0000615  
FBgn0040346  
FBgn0039054  
FBgn0002643  
FBgn0029895  
FBgn0031195  
FBgn0039272  
FBgn0014002  
FBgn0037154  
FBgn0028539  
FBgn0029921  
FBgn0030613  
FBgn0033859  
FBgn0035227

FBgn0042204  
FBgn0019990  
FBgn0035411  
FBgn0014009  
FBgn0040587  
FBgn0029580  
FBgn0040107  
FBgn0024195  
FBgn0039550  
FBgn0035460  
FBgn0033895  
FBgn0001316  
FBgn0022342  
FBgn0031260  
FBgn0032800  
FBgn0010398  
FBgn0030810  
FBgn0037986  
FBgn0039410  
FBgn0032697  
FBgn0037776  
FBgn0037240  
FBgn0003310  
FBgn0039858  
FBgn0036697  
FBgn0033677  
FBgn0015338  
FBgn0034877  
FBgn0035597  
FBgn0031627  
FBgn0033551  
FBgn0023509  
FBgn0019947  
FBgn0036373  
FBgn0031577  
FBgn0033811  
FBgn0033867  
FBgn0029138  
FBgn0001994  
FBgn0037506  
FBgn0000635  
FBgn0036096  
FBgn0038904  
FBgn0016120  
FBgn0039167  
FBgn0024432  
FBgn0034121  
FBgn0015793  
FBgn0003114  
FBgn0003513  
FBgn0040273

FBgn0030650  
FBgn0010550  
FBgn0030867  
FBgn0031287  
FBgn0030535  
FBgn0039547  
FBgn0000634  
FBgn0000109  
FBgn0032947  
FBgn0025832  
FBgn0036211  
FBgn0038949  
FBgn0029861  
FBgn0030021  
FBgn0040227  
FBgn0030649  
FBgn0032073  
FBgn0039285  
FBgn0029948  
FBgn0001332  
FBgn0030942  
FBgn0037586  
FBgn0030790  
FBgn0039214  
FBgn0031044  
FBgn0033101  
FBgn0030334  
FBgn0030866  
FBgn0038990  
FBgn0030383  
FBgn0000028  
FBgn0000036  
FBgn0027889  
FBgn0015904  
FBgn0035180  
FBgn0024196  
FBgn0010602  
FBgn0001991  
FBgn0038193  
FBgn0037015  
FBgn0031525  
FBgn0036867  
FBgn0024251  
FBgn0039845  
FBgn0037873  
FBgn0005612  
FBgn0040347  
FBgn0039273  
FBgn0038931  
FBgn0034736  
FBgn0000099

FBgn0026597  
FBgn0024986  
FBgn0034965  
FBgn0010482  
FBgn0011288  
FBgn0027356  
FBgn0038418  
FBgn0037641  
FBgn0027106  
FBgn0032380  
FBgn0039693  
FBgn0030382  
FBgn0015396  
FBgn0033550  
FBgn0038668  
FBgn0028489  
FBgn0029654  
FBgn0034546  
FBgn0039692  
FBgn0028550  
FBgn0026418  
FBgn0002023  
FBgn0030489  
FBgn0038632  
FBgn0033698  
FBgn0032915  
FBgn0033100  
FBgn0032166  
FBgn0030413  
FBgn0000307  
FBgn0030349  
FBgn0037919  
FBgn0024963  
FBgn0024321  
FBgn0033804  
FBgn0025109  
FBgn0011766  
FBgn0037588  
FBgn0032695  
FBgn0038948  
FBgn0037771  
FBgn0003963  
FBgn0039741  
FBgn0037777  
FBgn0031016  
FBgn0034966  
FBgn0035819  
FBgn0036210  
FBgn0031261  
FBgn0035530  
FBgn0011708

FBgn0033357  
FBgn0034974  
FBgn0033356  
FBgn0039350  
FBgn0033380  
FBgn0039137  
FBgn0015778  
FBgn0039883  
FBgn0033159  
FBgn0036698  
FBgn0038937  
FBgn0034300  
FBgn0032710  
FBgn0039025  
FBgn0032267  
FBgn0037874  
FBgn0028890  
FBgn0031635  
FBgn0029891  
FBgn0037747  
FBgn0001404  
FBgn0029896  
FBgn0010229  
FBgn0029707  
FBgn0004652  
FBgn0029764  
FBgn0031297  
FBgn0038591  
FBgn0036865  
FBgn0038515  
FBgn0016078  
FBgn0027086  
FBgn0002413  
FBgn0014028  
FBgn0003975  
FBgn0030505  
FBgn0035623  
FBgn0011227  
FBgn0024315  
FBgn0033210  
FBgn0029799  
FBgn0031019  
FBgn0031047  
FBgn0035953  
FBgn0035599  
FBgn0011283  
FBgn0029862  
FBgn0037602  
FBgn0035818  
FBgn0034535  
FBgn0031889

FBgn0037642  
FBgn0000259  
FBgn0035712  
FBgn0032431  
FBgn0020556  
FBgn0003380  
FBgn0013973  
FBgn0033094  
FBgn0032630  
FBgn0003425  
FBgn0030504  
FBgn0014143  
FBgn0030381  
FBgn0026188  
FBgn0037670  
FBgn0030731  
FBgn0035656  
FBgn0033946  
FBgn0016917  
FBgn0030328  
FBgn0034964  
FBgn0024991  
FBgn0030420  
FBgn0024245  
FBgn0010300  
FBgn0034205  
FBgn0033557  
FBgn0037198  
FBgn0015795  
FBgn0030686  
FBgn0032234  
FBgn0011837  
FBgn0004493  
FBgn0030179  
FBgn0038065  
FBgn0036100  
FBgn0000588  
FBgn0037727  
FBgn0039168  
FBgn0024326  
FBgn0003371  
FBgn0023535  
FBgn0030350  
FBgn0013770  
FBgn0039265  
FBgn0041092  
FBgn0000567  
FBgn0037525  
FBgn0039412  
FBgn0039549  
FBgn0030166

FBgn0035894  
FBgn0033549  
FBgn0004646  
FBgn0020445  
FBgn0015903  
FBgn0034217  
FBgn0000179  
FBgn0039510  
FBgn0038896  
FBgn0016754  
FBgn0005775  
FBgn0037694  
FBgn0035995  
FBgn0010413  
FBgn0004243  
FBgn0003512  
FBgn0027522  
FBgn0038010  
FBgn0039035  
FBgn0039323  
FBgn0028499  
FBgn0030888  
FBgn0027949  
FBgn0032840  
FBgn0004359  
FBgn0022764  
FBgn0038240  
FBgn0040286  
FBgn0038561  
FBgn0035767  
FBgn0000242  
FBgn0033886  
FBgn0003749  
FBgn0030522  
FBgn0038373  
FBgn0031698  
FBgn0015756  
FBgn0030490  
FBgn0030568  
FBgn0000570  
FBgn0037774  
FBgn0031891  
FBgn0004055  
FBgn0011771  
FBgn0037554  
FBgn0016685  
FBgn0014027  
FBgn0034533  
FBgn0003964  
FBgn0034098  
FBgn0004595

FBgn0034878  
FBgn0002783  
FBgn0039409  
FBgn0000504  
FBgn0002948  
FBgn0039411  
FBgn0040533  
FBgn0025376  
FBgn0010567  
FBgn0033182  
FBgn0032916  
FBgn0004399  
FBgn0000119  
FBgn0003013  
FBgn0015609  
FBgn0033471  
FBgn0030533  
FBgn0038214



## Table S5

### Ftz direct targets

FBgn0036630  
FBgn0024150  
FBgn0013591  
FBgn0003507  
FBgn0027660  
FBgn0038192  
FBgn0020251  
FBgn0031759  
FBgn0001222  
FBgn0015278  
FBgn0038264  
FBgn0035342  
FBgn0032918  
FBgn0031398  
FBgn0026875  
FBgn0036914  
FBgn0005410  
FBgn0038150  
FBgn0035978  
FBgn0003177  
FBgn0011817  
FBgn0020620  
FBgn0035692  
FBgn0024921  
FBgn0038118  
FBgn0030024  
FBgn0013733  
FBgn0016797  
FBgn0020245  
FBgn0004465  
FBgn0010382  
FBgn0036103  
FBgn0039019  
FBgn0001309  
FBgn0010247  
FBgn0003118  
FBgn0030868  
FBgn0022069  
FBgn0020427  
FBgn0023526  
FBgn0035340  
FBgn0033103  
FBgn0035174  
FBgn0036826  
FBgn0035574  
FBgn0038457  
FBgn0003175

FBgn0030306  
FBgn0000575  
FBgn0000546  
FBgn0035229  
FBgn0015806  
FBgn0003274  
FBgn0042630  
FBgn0035210  
FBgn0016697  
FBgn0001085  
FBgn0031303  
FBgn0034240  
FBgn0003200  
FBgn0027655  
FBgn0031236  
FBgn0003607  
FBgn0033559  
FBgn0003656  
FBgn0002973  
FBgn0029933  
FBgn0037443  
FBgn0035172  
FBgn0032629  
FBgn0031684  
FBgn0032002  
FBgn0034606  
FBgn0036398  
FBgn0038853  
FBgn0029138  
FBgn0001994  
FBgn0003896  
FBgn0032497  
FBgn0039688  
FBgn0037639  
FBgn0039528  
FBgn0030942  
FBgn0040059  
FBgn0037199  
FBgn0026616  
FBgn0038335  
FBgn0033922  
FBgn0011288  
FBgn0003659  
FBgn0000395  
FBgn0039266  
FBgn0038430  
FBgn0011766  
FBgn0037771  
FBgn0013984  
FBgn0010460  
FBgn0036350

FBgn0001977  
FBgn0033159  
FBgn0038816  
FBgn0005630  
FBgn0037243  
FBgn0004837  
FBgn0034644  
FBgn0001122  
FBgn0040295  
FBgn0004368  
FBgn0036099  
FBgn0040884  
FBgn0017557  
FBgn0030809  
FBgn0010409  
FBgn0004893  
FBgn0035397  
FBgn0002284  
FBgn0037198  
FBgn0037971  
FBgn0010389  
FBgn0028914  
FBgn0003371  
FBgn0003715  
FBgn0038803  
FBgn0033218  
FBgn0036461  
FBgn0032756  
FBgn0029856  
FBgn0022764  
FBgn0028683  
FBgn0039148  
FBgn0003048  
FBgn0033552  
FBgn0005624  
FBgn0036856  
FBgn0040533  
FBgn0001981  
FBgn0034071

## Table S6

### Eve direct targets

FBgn0031454  
FBgn0038493  
FBgn0035116  
FBgn0038169  
FBgn0034602  
FBgn0015300  
FBgn0033842  
FBgn0036339  
FBgn0035650  
FBgn0027108  
FBgn0030478  
FBgn0039732  
FBgn0040889  
FBgn0013733  
FBgn0030452  
FBgn0030451  
FBgn0031596  
FBgn0030064  
FBgn0000163  
FBgn0040754  
FBgn0001138  
FBgn0001309  
FBgn0035456  
FBgn0015621  
FBgn0042693  
FBgn0028704  
FBgn0037632  
FBgn0033918  
FBgn0039869  
FBgn0023526  
FBgn0001257  
FBgn0038580  
FBgn0001220  
FBgn0033208  
FBgn0031020  
FBgn0011666  
FBgn0030180  
FBgn0038720  
FBgn0029941  
FBgn0034542  
FBgn0037875  
FBgn0037295  
FBgn0039297  
FBgn0036715  
FBgn0039095  
FBgn0035954

FBgn0023477  
FBgn0040709  
FBgn0033559  
FBgn0038524  
FBgn0030341  
FBgn0033636  
FBgn0019664  
FBgn0030534  
FBgn0031574  
FBgn0032248  
FBgn0002989  
FBgn0032629  
FBgn0039032  
FBgn0038620  
FBgn0020236  
FBgn0029653  
FBgn0039263  
FBgn0037048  
FBgn0035073  
FBgn0027524  
FBgn0003984  
FBgn0037639  
FBgn0016081  
FBgn0037153  
FBgn0038881  
FBgn0039014  
FBgn0000489  
FBgn0030958  
FBgn0035569  
FBgn0039266  
FBgn0003145  
FBgn0010349  
FBgn0031599  
FBgn0033588  
FBgn0011300  
FBgn0039736  
FBgn0031456  
FBgn0032833  
FBgn0039633  
FBgn0013759  
FBgn0031448  
FBgn0040207  
FBgn0028914  
FBgn0004066  
FBgn0037261  
FBgn0032756  
FBgn0032348  
FBgn0036818  
FBgn0000581  
FBgn0034738  
FBgn0035624

FBgn0001128

**Table S7****Quantitative real time PCR to validate ChIP-chip results**

gene name	CT(chip)- CT(mock)	Forward primer	Reverse primer
CG7664 (ftz)	11	GATTCTGATAAGCCGGCAAGG	GAAAGAAATGACACAATACGAG
CG6821 (ftz)	5.2	GCGTTAAAAAAGCAAGACCAAAC	GACTAAGACGGGACGATATCC
CG5670 (ftz)	5.5	ATTGACTGTTTGCTGTCAC	CCGCTCTAGAACTTAATCTAC
CG9432 (ftz)	8.4	CTCGCGAAAATGTCTCATA	CAGCAATACATCAACATGG
CG4533 (ftz)	8.6	CTTCCTCGTACCTTTTAFGA	CTGTCTGAGCAGTGACTAAT
CG10108 (ftz)	8.5	CTACCACTAATGAGCATCC	CGTACCGATCACCTTTATC
CG8956 (ftz)	6	GCAGCTTGTAGAGCACATA	GACTACTTCAAGGCCATTC
CG5594 (ftz)	4.2 failed	CTTTACGGTGTCTTAATTG	CCTTCGGTCTTATTGTGTAC
CG7763 (ftz)	10	TCTCTACGTTTGGTGATAC	CATTGAGTCGAGAACAATAG
cg13109-1 (ftz)	6.8	TGCATGTATGTATGTAGCC	GCTTAGCTTCAGATACAGATAC
cg13109-2 (ftz)	No signal failed	GTATCTAAAATCCCCAAC	TAGGTCTATGACCCAGTACAC
cg3131 (ftz)	6.5	CAGGACTTGTCTTTCCTACT	CTGTTCAAGGATGTTTACC
cg4567-1 (ftz)	No signal failed	GGTGTAGAACAGAATCCTCTC	TAACTTGTCCGATAGAAAACC
cg4567-2 (ftz)	8.5	CTTACAGCGCTTACATAACT	ATTGGGGAGAAGTGTAACAAC
cg5025 (ftz)	6	CGAAGATGTAGAGTTTATCG	GCTACTAACGGTATAAAGCAC
cg8400 (ftz)	8.5	GCCAGCATTTATGAGATAC	TGCGTACTATTCTACTGAC
cg15867 (ftz)	6	CTTCTGGGAGTTATACTAGG	CAACCTAATCCGTTCTAATC
cg10035 (ftz)	11	GATTTTCCGACTCTTCCAC	GTGCTTGACATTTCTTAGG
cg9924 (ftz)	6	CACATACGACATATGACAGC	GAACTGAACTGAGACTGAGAG
cg13130-1 (eve)	6.2	TATTACCTTACCTTCGACCGG	CCGTGGACGAAGTGAAATCA
cg13130-2 (eve)	9.6	TGTCGAGCACCGGCTGTAT	ATCGGAGGCGTAGCATACCA
cg9924 (eve)	7	GCCTTTGAGCGACTTAACTCT	GGTGGCCGTGAAACAATG
Successful rate: 19/22=86%			
CG9924 positive control	5.5	GCAACGATAGCCAAGTAGCCA	CAGTCGAGTGTCAAAGGTCAGC
neg-ebony2nd exon	4	TATGGGCACATTATCGTACA	CTGTTGGAGCGTTATAAGA
p53 exon	3.5	CAAATCTACAAGGAGTACCA	CAAAGTAGCAGTTATTGAG
Actin 5c exon	4.7	GTTACTCTTTCACCACCAC	GTGATCTCCTTCTGCATAC
Average of negative	4.1		

To validate ChIP microarray result, we performed quantitative real time PCR. For each binding site, we performed the qPCR from ChIP and Mock (Primers see table s9) with at least three replicates. For positive control, we chose a pair primer from CG9924 genome region which was validated by our gel shift analysis. For negative control, we designed three pair primers from exon of neg-ebony, p53 and actin 5c. Average CT value between ChIP and mock has been calculated. To reduce the false positive rate, we only consider

the difference between ChIP and mock higher than 5 as positive result. In the end, the successful rate is 86%.



**Table S8****Network analysis for ftz or eve direct targets, which have homolog in human**

A network was generated by superimposing individual networks created from the following data types: a protein-protein interaction (PPI) network from Giot et al. (6), ChIP-on-chip FTZ and EVE DNA binding networks (this paper, Fig. 1A), an expression profile network (this paper, Fig. 1A) and a network produced by literature data mining using the GeneWays system described previously by Rzhetsky et al. (5). Geneways includes 368,331 full-text research articles representing 100 high-impact biomedical journals and 8,039,972 article abstracts from the PubMed database. "Connectivity (all)" means the connectivity over all data types. Connectivity of a node is defined as the number of edges that end in the node.

Betweenness-centrality (BC) is a measure of "importance" of a network node: high BC nodes tend to participate in many shortest paths connecting other nodes. Betweenness-centrality of a node is defined as the proportion of shortest paths between all possible pairs of nodes that include the node. Clustering means the clustering coefficient of a network node, which is the ratio of the actual number of direct connections between the immediate neighbors of the node to the maximum possible number of such direct arcs between its neighbors.

Gene	FBID	Connectivity (all)	Clustering	Betweenness-centrality	PPI	Literature	Expression	ChIP-on-chip
CG9924	fbgn0086364	45	0.03252	248526.3694	39	1	1	4
Lim1	fbgn0026411	47	0.018583	224192.3961	39	1	1	6
sgg	fbgn0003371	84	0.037736	187706.6988	1	80	1	2
CG11486	fbgn0035397	42	0.007317	171102.548	40	0	1	1
InR	fbgn0013984	51	0.033333	163586.4229	0	48	2	1
CycE	fbgn0010382	58	0.022222	132275.1154	16	38	2	2
heph	fbgn0011224	45	0.043544	131056.7794	6	36	1	2
esg	fbgn0001981	32	0.002151	120850.6629	30	0	1	1
pan	fbgn0085432	45	0.077652	117163.2061	2	40	2	1
Fem-1	fbgn0034542	26	0.01	115103.8195	24	0	1	1
Ogt	fbgn0040295	29	0.015873	111677.1782	26	1	1	1
CG30497	fbgn0050497	31	0.02069	111337.8673	29	0	1	1
CG31122	fbgn0051122	23	0.021053	101320.7096	18	0	3	2
Sin3A	fbgn0022764	28	0.053333	95548.93566	19	6	1	2
Clp	fbgn0015621	23	0.019048	93001.74503	20	0	2	1
Lim3	fbgn0002023	28	0.061594	89385.7989	21	1	2	4
CG32264	fbgn0052264	26	0.042857	86713.22703	19	0	3	4
CG9960	fbgn0031454	17	0	83555.11484	15	0	1	1
Trn	fbgn0024921	29	0.036667	81486.00671	12	14	2	1
RpS12	fbgn0014027	27	0.016667	81410.5608	24	0	1	2
G- $\alpha$ 47A	fbgn0001122	21	0.026316	74146.10238	12	7	1	1
crp	fbgn0001994	22	0.05848	73572.06455	5	14	1	2
E2f	fbgn0011766	27	0.065359	71661.2263	1	22	2	2
pyd	fbgn0003177	39	0.040936	67965.67799	4	21	4	10
RpLP2	fbgn0003274	20	0.03268	66605.46827	16	2	1	1
RpL18A	fbgn0010409	18	0.022059	65464.4959	15	1	1	1
Su(Tpl)	fbgn0014037	18	0.080882	56558.23862	12	3	1	2
EcR	fbgn0000546	20	0.136364	55818.28431	1	14	1	4
S6k	fbgn0015806	37	0.068841	54645.5415	1	34	1	1
Su(H)	fbgn0004837	17	0.021978	52913.28177	12	3	1	1
tup	fbgn0003896	15	0.043956	51267.60991	13	0	1	1
ATPCL	fbgn0020236	10	0.027778	49619.77726	7	1	1	1
prd	fbgn0003145	14	0.030303	49190.49787	3	9	1	1
Mi-2	fbgn0013591	14	0.090909	48896.97645	2	9	1	2
CG10664	fbgn0032833	13	0.075758	47546.25122	10	0	2	1
CG15525	fbgn0039732	16	0.095238	45105.79424	13	0	2	1
nmo	fbgn0011817	21	0.076923	41727.30188	4	15	1	1
Gpdh	fbgn0001128	9	0.035714	40969.37178	6	0	2	1
Sox21b	fbgn0042630	15	0	37449.52955	12	0	1	2
numb	fbgn0002973	8	0	37421.26447	6	0	1	1
Caki	fbgn0013759	11	0.083333	37209.53441	7	0	2	2
Pka-C3	fbgn0000489	10	0.027778	30804.88662	3	4	2	1
I(1)G0003	fbgn0027335	9	0.071429	30731.93175	6	0	1	2
bowl	fbgn0004893	7	0.066667	27488.96662	5	0	1	1
bun	fbgn0010460	12	0.066667	27133.9783	9	0	2	1
babo	fbgn0011300	13	0.018182	26476.71867	4	7	1	1
Ssdp	fbgn0011481	8	0.095238	25397.10952	5	0	2	1
Tango9	fbgn0037971	5	0	24486	3	0	1	1
E(bx)	fbgn0000541	12	0.095238	22857.87345	4	2	3	3
Hsc70-5	fbgn0001220	8	0.142857	22331.74059	5	0	1	2
rap	fbgn0003200	11	0.083333	21727.1315	1	8	1	1
htl	fbgn0010389	8	0.095238	21425.19784	1	4	2	1
pnt	fbgn0003118	11	0.166667	21206.952	2	6	1	2
okr	fbgn0002989	10	0.1	19606.93287	2	5	1	2
Nat1	fbgn0031020	7	0.2	18060.16178	4	0	2	1

CG32479	fbgn0052479	8	0.1	16511.9526	3	0	3	2
Eaf6	fbgn0035624	4	0	16326	2	0	1	1
Nnp-1	fbgn0022069	4	0	16326	2	0	1	1
I(2)35Bg	fbgn0001977	4	0	16326	2	0	1	1
shot	fbgn0013733	12	0.142857	16032.73405	3	2	5	2
fz2	fbgn0016797	11	0.142857	15210.25161	3	5	1	2
Aats-tyr	fbgn0027080	5	0	14863.40358	2	1	1	1
CG5343	fbgn0032248	6	0.1	14397.29229	3	0	2	1
fz	fbgn0001085	7	0	14289.85096	1	3	2	1
RN-tre	fbgn0020620	6	0	13821.51918	4	0	1	1
CG18375	fbgn0034606	7	0.066667	12755.72464	5	0	1	1
CG31302	fbgn0051302	6	0	12683.57234	3	0	1	2
htt	fbgn0027655	12	0.035714	12309.86619	0	9	2	1
btsz	fbgn0053555	7	0.166667	12214.05617	2	0	2	3
tna	fbgn0026160	6	0	12000.28859	4	0	1	1
Trn-SR	fbgn0031456	7	0.066667	11388.39268	5	0	1	1
kat80	fbgn0040207	6	0.1	11175.46335	3	0	2	1
CG17059	fbgn0040754	4	0	9977.685837	2	0	1	1
CG16896	fbgn0035073	4	0	9892.179688	2	0	1	1
UGP	fbgn0035978	5	0.166667	9775.156914	3	0	1	1
Pi3K68D	fbgn0015278	5	0	9659.609515	0	3	1	1
RhoGAP93B	fbgn0038853	5	0	9539.065036	3	0	1	1
Dhc64C	fbgn0010349	6	0	9310.093315	0	4	1	1
sfl	fbgn0020251	5	0.166667	8700.013352	2	0	2	1
Pros26	fbgn0002284	4	0	8417.167244	2	0	1	1
CG8531	fbgn0033918	4	0.333333	8164	2	0	1	1
CG3909	fbgn0027524	3	0	8164	1	0	1	1
CG1640	fbgn0030478	3	0	8164	1	0	1	1
PP2A-B'	fbgn0042693	4	0.333333	8164	1	0	1	2
kis	fbgn0086902	10	0.333333	8164	0	1	3	6
CG1677	fbgn0029941	4	0.333333	8164	1	0	2	1
grn	fbgn0001138	3	0	8164	0	1	1	1
p24-1	fbgn0030341	3	0	8164	1	0	1	1
lid	fbgn0031759	3	0	8164	1	0	1	1
CG13298	fbgn0035692	3	0	8164	1	0	1	1
CG1021	fbgn0037443	4	0.333333	8164	1	0	1	2
ProsMA5	fbgn0016697	4	0.333333	8164	1	1	1	1
CG8680	fbgn0031684	3	0	8164	1	0	1	1
CG9086	fbgn0030809	3	0	8164	1	0	1	1
CG4751	fbgn0032348	5	0.166667	8010.560642	2	0	2	1
CG6043	fbgn0032497	5	0.166667	4271.524541	3	0	1	1
CG8351	fbgn0037632	4	0	3149.374904	2	0	1	1
Su(P)	fbgn0004465	4	0	2665.7708	2	0	1	1
Gug	fbgn0010825	4	0.333333	2458.18451	2	0	1	1
Pros28.1A	fbgn0017557	4	0.333333	2165.427797	1	0	2	1
baz	fbgn0000163	8	0.4	2015.342061	0	5	2	1
CG9666	fbgn0036856	4	0.333333	1594.134269	2	0	1	1
Psf2	fbgn0031599	4	0.666667	1426.81948	1	0	2	1
E(Pc)	fbgn0000581	4	0.666667	1426.81948	1	0	2	1
dsd	fbgn0039528	3	0	1426.152813	1	0	1	1
CG1890	fbgn0039869	4	0.333333	1147.759982	2	0	1	1
siz	fbgn0026179	6	0.666667	1147.426648	1	0	3	2
mRpL52	fbgn0033208	3	0	1144.593315	1	0	1	1
tou	fbgn0033636	3	0	1144.429342	1	0	1	1
Pros28.1	fbgn0004066	3	0	1139.609982	1	0	1	1
CG17672	fbgn0083978	4	0	1016.295407	4	0	0	0
sno	fbgn0005410	4	0.333333	959.390553	0	2	1	1
Dnr1	fbgn0034738	3	0	282.846108	1	0	1	1
CG9853	fbgn0086605	5	0.333333	282.233911	3	0	1	1
Tal	fbgn0023477	4	0.666667	0.666667	0	2	1	1
Ac78C	fbgn0024150	4	1	0	0	0	3	1
CG31145	fbgn0051145	4	1	0	1	0	1	2
CG5970	fbgn0033842	3	1	0	0	0	2	1
Nckx30C	fbgn0028704	2	0	0	0	0	1	1
CG6900	fbgn0030958	2	0	0	0	0	1	1
dnc	fbgn0000479	5	0	0	0	0	1	4
CG15429	fbgn0031596	2	0	0	0	0	1	1
flfl	fbgn0024555	3	1	0	0	0	2	1
fry	fbgn0016081	2	0	0	0	0	1	1
sll	fbgn0038524	2	0	0	0	0	1	1
e	fbgn0000527	1	0	0	0	0	1	0
CG6672	fbgn0037875	2	0	0	0	0	1	1

h	fbgn0001169	3	0	0	0	0	3	0
sdt	fbgn0003349	11	1	0	0	0	1	10
CG3638	fbgn0026875	3	1	0	0	0	1	2
Dscam	fbgn0033159	4	1	0	0	1	1	2
CG3893	fbgn0036826	2	0	0	0	0	1	1
Psc	fbgn0005624	2	0	0	0	0	1	1
cv-2	fbgn0000395	2	0	0	0	0	1	1
sws	fbgn0003656	2	0	0	0	0	1	1
pcx	fbgn0003048	3	1	0	1	0	1	1
CG10082	fbgn0034644	2	0	0	0	0	1	1
CG11137	fbgn0037199	2	0	0	0	0	1	1
ttv	fbgn0020245	3	1	0	0	0	1	2
Spase25	fbgn0030306	2	0	0	0	0	1	1
Nhe2	fbgn0040297	4	0	0	0	0	2	2
timeout	fbgn0038118	2	0	0	0	0	1	1
CG7852	fbgn0035229	2	0	0	0	0	1	1
CG8405	fbgn0034071	2	0	0	0	0	1	1
CG33523	fbgn0053523	1	0	0	0	0	0	1
CG18616	fbgn0028495	1	0	0	1	0	0	0