## Supplementary file

The binding potential between four candidate RBPs and the key ferroptosis genes was predicted on starBase.

Camello         Constrained         Constrained <thconstrained< th=""> <thconstrained< th=""> <th< th=""><th>BBP         S         Genello         S         Gen</th><th></th><th></th><th>1 GeneName</th><th>1 GeneType</th><th>ClusterNum</th><th>1 ClipExpNum</th><th>1 ClipSiteNum</th><th>HepG2(log2FC)</th><th>K\$62(log2FC)</th><th>Pan-Cancer</th><th></th></th<></thconstrained<></thconstrained<>	BBP         S         Genello         S         Gen			1 GeneName	1 GeneType	ClusterNum	1 ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	K\$62(log2FC)	Pan-Cancer	
Description         1         Concert         Sig         <	S2202         D1020000116371         V NAC2         petter, soling         S	RD	1 ENSG00000167468	1 GPX4	1 protein_coding	19	1 7	1 43	1 NA	-0.862	14	
Disconcention         1         Control         Sint         NM         1         Sint         NM         1         Sint	CALC         0         Decomposition ()         VAC2         >         perform, coding         1         BE         1         DE		GanalD	1 Geneblame	GeneTure	1 Churterblum	1 ClinEvaNum	1 ClinSiteNum	Han(2/dec250)	KE62(log2EC)	I Ban Cancor	
Genel D         Genel Yame         Genel Yame         Glapitarium         Hep22/lg32/C)         K432/lg32/C)         Pan - Genery           Genel D         Genel Yame         Genel Yame <td>BP         GenelD         GenelD</td> <td></td>	BP         GenelD											
Disconcentration         Value 1         product, coding         dial         1         Disconcentration         Disconcentration <thdisconcentration< th=""> <thdisconcentration< th=""></thdisconcentration<></thdisconcentration<>	2022         1         Discover/Field         2         Discover/Field <thdiscover field<="" th=""> <thdiscover field<="" th="">         2</thdiscover></thdiscover>					_						
Genel         Genelyne         Genelyne         Genelyne         Giptablum         Gipta	BP         Centrell         Centrell <thcentrell< th="">         Centrell         Ce</thcentrell<>											
D350000008366       1       AGL4       1       peterin_coding       1       B2       1       B37       1       MA       1       D355       1       B2       1       D37       1       D355       1	1242         1         100000000000000         4         4         1         1         10000000000000         1         10000000000000         1         10000000000000         1         10000000000000         1         100000000000000         1         100000000000000         1         100000000000000         1         1000000000000000         1         10000000000000000         1         100000000000000000000         1         1000000000000000000000000000000000000	CAF2	ENSG0000078666	VDACS	protein_cooling	40	12	33	INA	INA	13	
GenelD         5         GenetName         6         GenetType         6         ClusterNum         6         ClySterNum         1         ClySterNum         1         Hyp21(sg2FC)         5         K552(sg2FC)         7         Pan Cancer           CenciD         6         GenetName         6         Conter	BBP         GenelD         Genethame         Genethyze         ClusterNum         Glytaphum         Glytaphum         Hep22(hg3242)         K42(hg3272)         K42(hg3272) </td <td>SP</td> <td>11 GenelD</td> <td>1 GeneName</td> <td>II GeneType</td> <td>1 ClusterNum</td> <td>ClipExpNum</td> <td>1 ClipSiteNum</td> <td>HepG2(log2FC)</td> <td>K\$62(log2FC)</td> <td>1 Pan-Cancer</td> <td></td>	SP	11 GenelD	1 GeneName	II GeneType	1 ClusterNum	ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	K\$62(log2FC)	1 Pan-Cancer	
Eth Second 1:14:44       GPX4       Profein, coding       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       I       B       B       B       I       B       I       B       I       B       I       B       I       B       I       B       I	1       1	2AF2	1 ENSG0000068366	1 ACSL4	1 protein_coding	1 208	12	317	î NA	0.585	19	
Ethic Codong 1 (1)       G (2)       G (2) <thg (2)<="" t<="" th=""><th>NNN1PAIL       1       DS200018744       1       DS44       1       DS44       1       DS24       1       DS22       1       DS2       1       DS22       1       DS2       1       DS22       1       DS23       DS23       1       DS23       1       DS23       1       DS23       1       DS23       1       DS23       DS33       1       DS23       DS33       1       DS33       1       DS33       1       DS33       1       DS34       DS</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></thg>	NNN1PAIL       1       DS200018744       1       DS44       1       DS44       1       DS24       1       DS22       1       DS2       1       DS22       1       DS2       1       DS22       1       DS23       DS23       1       DS23       1       DS23       1       DS23       1       DS23       1       DS23       DS33       1       DS23       DS33       1       DS33       1       DS33       1       DS33       1       DS34       DS											
Genel B         Genel Yupe         Clusteritum         Cliptophum         Cliptophu	RBP         G         Genet Du         Genet Nume         Guster Num         Gigstantnum         Gigstantnum         Huppd2 (leg2 AC)         K432 (leg2 AC)         K432 (leg2 AC)         K432 (leg2 AC)         Pum Cancer           RBP         Genet D         Genet Nume         Genet Nume         Guster Num         Gigstantnum         I Gigstantnum         Huppd2 (leg2 AC)         K432 (leg2 AC)         Pum Cancer           SBP         Genet D         Genet Nume         Guster Num         Gigstantnum         I Gigstantnum         Huppd2 (leg2 AC)				11 GeneType							
2115000000123344       1       ACS1.4       1       Invotein_coding       1       2       1       2773       1       2633       1       2       1       2773       1       2633       1       2       1       2773       1       2633       1       2       1       2       1       2633       1       2 <td>NH8/PA1       I       Sister Control       Active       protein_coding       BA       I       P       I       Sister Control       BA       I       B       I       Sister Control       BA       I       B       I       Sister Control       I       BA       I       B       I       I       I       Sister Control       I       B       I       B       I</td> <td>INRNPA1</td> <td>1 ENSG00000167468</td> <td>GPX4</td> <td>1 protein_coding</td> <td>1 6</td> <td>1 4</td> <td>1 11</td> <td>0.443</td> <td>-0.222</td> <td>18</td> <td></td>	NH8/PA1       I       Sister Control       Active       protein_coding       BA       I       P       I       Sister Control       BA       I       B       I       Sister Control       BA       I       B       I       Sister Control       I       BA       I       B       I       I       I       Sister Control       I       B       I       B       I	INRNPA1	1 ENSG00000167468	GPX4	1 protein_coding	1 6	1 4	1 11	0.443	-0.222	18	
GenetD         1         GenetName         1         Ge	BBP       CenelD	RBP	GenelD	GeneName	GeneType	ClusterNum	ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	K562(log2FC)	1 Pan-Cancer	
214500000154597       i       VDAC2       i       implement including       i       is       i       is       i       is	1       1       1       1       2       1       22       1       223       1       24       24         188       1       1       1       22       1       233       1       1       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       24       1       2       1       2       2       1       1       1       1       1       2       1       2       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2<	HNRNPA1	1 ENSG0000068366	1 ACSL4	1 protein_coding	1 43	t <b>7</b>	1 57	-1.770	-0.343	14	
GenelD         1         GenelAme         1         GenelYpe         1         ClusterNum	BB         D         GenelD         D         GenelType         D         ClubterNum         ClubterNum         D         ClubterNum         D         Hop22(lpg2FC)         K82/lpg2FC)         K82/lpg2FC)         Rescance           RRRPA1         D         MSG0000078846         V CAC3         D<	BP	GenelD	GeneName	GeneType	ClusterNum	ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	K562(log2FC)	1 Pan-Cancer	
ENGCONCONTRAGE         I         VEAC3         I         protein_coding         I <t< td=""><td>NNNPA1       1       Existence       1       Outer, coding       1       22       1       1       1       28       1       NR       1       02051       1       NS       1         ABP       1       GenelD       1       GenelType       1       CluterNum       1       ClipIsteNum       1       ClipIsteNum       1       NS       1       NS       0.005       1       0.005       0.005       1       0.005       0.005       1       0.005       0.005       1       0.005       1       0.005       1       0.005       1       0.005       0.005       1       0.005       <t< td=""><td>INRNPA1</td><td>† ENSG00000165637</td><td>1 VDAC2</td><td>protein_coding</td><td>15</td><td>1 8</td><td>1 22</td><td>-0.931</td><td>1 NA</td><td>24</td><td></td></t<></td></t<>	NNNPA1       1       Existence       1       Outer, coding       1       22       1       1       1       28       1       NR       1       02051       1       NS       1         ABP       1       GenelD       1       GenelType       1       CluterNum       1       ClipIsteNum       1       ClipIsteNum       1       NS       1       NS       0.005       1       0.005       0.005       1       0.005       0.005       1       0.005       0.005       1       0.005       1       0.005       1       0.005       1       0.005       0.005       1       0.005 <t< td=""><td>INRNPA1</td><td>† ENSG00000165637</td><td>1 VDAC2</td><td>protein_coding</td><td>15</td><td>1 8</td><td>1 22</td><td>-0.931</td><td>1 NA</td><td>24</td><td></td></t<>	INRNPA1	† ENSG00000165637	1 VDAC2	protein_coding	15	1 8	1 22	-0.931	1 NA	24	
GenelD         1         GeneName         1         ClusterNum         1         ClipIsPNum         1         ClipIsPN	RBP       Cene1D       GenetType       ClusterNum       Cliptaphum       L       Cliptaphum       L <td>BP</td> <td>GenelD</td> <td>11 GeneName</td> <td>GeneType</td> <td>ClusterNum</td> <td>ClipExpNum</td> <td>1 ClipSiteNum</td> <td>HepG2(log2FC)</td> <td>K562(log2FC)</td> <td>Pan-Cancer</td> <td></td>	BP	GenelD	11 GeneName	GeneType	ClusterNum	ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer	
E18500000157489       GPX4       protein_coding       1       16       8       1       38       1.103       0405       12         Genet D       1       Genet Name       1       Genet Yape       1       Culater Num       1       ClipExpNum       1       ElepExpNum       1       ClipExpNum       1       ClipExpNum       1       ClipExpNum       1       ClipExpNum       1       ElepExpNum       1       ElepExpN	REF1       I       Ex500000167468       GP/4       protein_coding       I       B6       I       B0       1       B10       B10       B10       I       B10							1 20	1 NA	1 0 205	17	
GenelD         I         GenelAume         I         GenelAume         I         ClusterNum         I         ClipIsteNum         I         HepG2(leg2FC)         I         K42(leg2FC)         I         Pan-Cancer           BridG0000053566         ACSL4         I         protein_coding         I         GenelD         I         GenelAume         I         ClusterNum         I         ClipIsteNum         I         S9         I         S231         I         MA         I         S9         I         S232         I         MA         I         S9         I         S232         I         MA         I         S9         I         S232         I         MA         I         S9         I	R8P       0       cene1D       0       cene1Amme       0       cene1Ype       0       clusterNum       0       clipterNum       0       clipterN		1 ENSG0000078668	T VDAC3	protein_coding	22				10.205		
Disconconcession       1       AcS1.4       1       produit, coding       1       Ref       1       Sign       1       Sign       1       Ref       1       Bit         Genel 0       1       GenetName	SISSF1       1       PMSG0000063566       4       ACSL4       protein_coding       64       7       1       55       1       223       1       MA       1       10         BBP       0       Cencit       0       Cencit       0       Cencit       0       Cencit       1       Cencit       1       Pun-Cancer         SISSF1       1       PMSG0000165587       1       VAC2       1       CiciterNum       1       CipiterNum       1       CipiterNum       1       DipiterNum       1	INRNPA1	1 GenelD	1 GeneName	1 GeneType	11 ClusterNum	11 ClipExpNum	1 ClipSiteNum	HepG2(log2FC)	11 K562(log2FC)	11 Pan-Cancer	
GenetD         I         GenetName         I         ClasterNum         I         ClipSteNum         I         ClipSteNum         I         HepG2(log2FC)         I         KS42(log2FC)         I         Pan-Cancer           ENEGD0000155557         VDAC2         1         Pan         1         I         I         SS         1         0.232         I         NA         1         IA           GenetD         1         GenetName         1         GenetYpe         1         ClusterNum         1         ClipSteNum         1         GenetYpe         1         Pan-Cancer           ENS0000007566         1         VDAC3         1         Pan         I         I         I         SS         1         0.252         1         K542(log2FC)         1         Pan-Cancer           ENS00000017656         1         VDAC3         1         Pan         I </td <td>B8P       1       Genel D       1       Genel Xuane       1       Gen</td> <td>INRNPA1</td> <td>II         GenelD           T         ENSG0000167468</td> <td>GeneName</td> <td>GeneType</td> <td>II ClusterNum</td> <td>ClipExpNum</td> <td>1 ClipSiteNum</td> <td>HepG2(leg2FC)</td> <td>11 K562(log2FC) 1 0.405</td> <td>Pan-Cancer</td> <td></td>	B8P       1       Genel D       1       Genel Xuane       1       Gen	INRNPA1	II         GenelD           T         ENSG0000167468	GeneName	GeneType	II ClusterNum	ClipExpNum	1 ClipSiteNum	HepG2(leg2FC)	11 K562(log2FC) 1 0.405	Pan-Cancer	
ENSCOUCCESSEST       1       VDAC.2       1       protein_coding       1       20       1       55       1       0.232       1       MA       1       14         GenelD       1       GeneName       1       GeneType       1       ClusterNum       1       ClipSteNum       1       ClipSteNum       1       HepC21(bg2FC)       1       K552(bg2FC)       1       Pan-Cancer         ENSCOUCCENTRIES       1       VDAC.3       1       protein_coding       1       ClipSteNum       1       ClipSteNum       1       MaX       1       Pan-Cancer         ENSCOUCCETAGE       1       GeneType       1       ClusterNum       1       ClipSteNum       1       ClipSteNum       1       HepC21(bg2FC)       1       K552(bg2FC)       1       Pan-Cancer         ENSCOUCCETAGE       1       GeneType       1       ClusterNum       1       ClipSteNum       1       ElseX       1       SEX       1 </td <td>SRSF1       1       ENSG0000155837       1       VDAC2       1       protein_coding       1       86       1       9       1       65       1       2022       1       NAM       1       14         RBP       1       GenelD       1       GeneName       1       GeneType       1       ClipSteNum       1       ClipSteNum       1       Hep62(log2FC)       1       K452(log2FC)       1       Pan-Cancer         RSF1       1       ENSG0000075656       1       VDAC3       1       protein_coding       1       86       7       1       36       0.575       1       K452(log2FC)       1       Pan-Cancer         RSF1       1       Ens00000075654       1       GeneName       1       GeneType       1       ClipSteNum       1       ClipSteNum       1       Hep62(log2FC)       1       K452(log2FC)       1       Pan-Cancer         RSF2       1       Ens000000157448       1       GeneName       1       GeneType       1       EdsterNum       1       ElgibleNum       1       Hep62(log2FC)       1       K552(log2FC)       1       Pan-Cancer         RSF2       1       Ens00000015654       1       GeneName       1</td> <td>INRNPA1 ISP RSF1 SP</td> <td>GenelD           ENSG0000167468           GenelD</td> <td>1 GeneName 1 GPX4 1 GeneName</td> <td>GeneType protein_coding GeneType</td> <td>1 ClusterNum 1 16 1 ClusterNum</td> <td>ClipExpNum 6 ClipExpNum</td> <td>1 ClipSiteNum 30</td> <td>II         HepG2(log2FC)           1         -1.190           II         HepG2(log2FC)</td> <td>II         K562(log2FC)           II         0.405           II         K562(log2FC)</td> <td>11 Pan-Cancer 1 23 11 Pan-Cancer</td> <td></td>	SRSF1       1       ENSG0000155837       1       VDAC2       1       protein_coding       1       86       1       9       1       65       1       2022       1       NAM       1       14         RBP       1       GenelD       1       GeneName       1       GeneType       1       ClipSteNum       1       ClipSteNum       1       Hep62(log2FC)       1       K452(log2FC)       1       Pan-Cancer         RSF1       1       ENSG0000075656       1       VDAC3       1       protein_coding       1       86       7       1       36       0.575       1       K452(log2FC)       1       Pan-Cancer         RSF1       1       Ens00000075654       1       GeneName       1       GeneType       1       ClipSteNum       1       ClipSteNum       1       Hep62(log2FC)       1       K452(log2FC)       1       Pan-Cancer         RSF2       1       Ens000000157448       1       GeneName       1       GeneType       1       EdsterNum       1       ElgibleNum       1       Hep62(log2FC)       1       K552(log2FC)       1       Pan-Cancer         RSF2       1       Ens00000015654       1       GeneName       1	INRNPA1 ISP RSF1 SP	GenelD           ENSG0000167468           GenelD	1 GeneName 1 GPX4 1 GeneName	GeneType protein_coding GeneType	1 ClusterNum 1 16 1 ClusterNum	ClipExpNum 6 ClipExpNum	1 ClipSiteNum 30	II         HepG2(log2FC)           1         -1.190           II         HepG2(log2FC)	II         K562(log2FC)           II         0.405           II         K562(log2FC)	11 Pan-Cancer 1 23 11 Pan-Cancer	
Genetion         1         GenetAmme         1         CenetType         1         ClipExpNum         1         Mail         1         Dass         1         Da	IBB       I       Genel D       I       Genel Amme       I       Genel Type       I       ClubterNum       I       ClipExpNum       I       ClipExpNum       I       ClipExpNum       I       Hep62(lg2FC)       I       K452(lg2FC)       I       Pan Cancer         RSF1       I       Exiscoccccccccccccccccccccccccccccccccccc	INRNPA1 ISP RSF1 SP	GenelD           ENSG0000167468           GenelD	1 GeneName 1 GPX4 1 GeneName	GeneType protein_coding GeneType	ClusterNum ClusterNum ClusterNum ClusterNum	ClipExpNum 6 ClipExpNum	1 ClipSiteNum 30	II         HepG2(log2FC)           1         -1.190           II         HepG2(log2FC)	II         K562(log2FC)           II         0.405           II         K562(log2FC)	11 Pan-Cancer 1 23 11 Pan-Cancer	
ENEGODODOCTOTORSS         I         VDAC3         I         Devotin_coding         I         III         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	RSF1       I       Ex50000078668       V VAC3       prefeit_coding       IB       I       I       IB	ISP RSF1 RSF1 RSF1 RSF1 RSF1 RSF1	GenelD           ENSG0000167468           II         GenelD           FNSG0000068366           II         GenelD	GeneName       GPX4       GeneName       ACSL4       GeneName	GeneType     protein coding     GeneType     protein coding     protein coding     protein coding     GeneType	ClusterNum I I ClusterNum I ClusterNum I ClusterNum I ClusterNum I	ClipExpNum 6 ClipExpNum 7 7 ClipExpNum	ClipSiteNum 30 ClipSiteNum 59	HepG2(log2FC)           I           -1.190           HepG2(log2FC)           I           -1291           HepG2(log2FC)	II         K562(log2FC)           1         0.405           III         K562(log2FC)           1         NA           III         K562(log2FC)	11 Pan-Cancer 1 23 11 Pan-Cancer 1 15 11 Pan-Cancer	
GenelD       1       GeneName       1       GeneType       1       ClipSterNum       1       ClipSterNum       1       Plag2(Jeg2FC)       1       K562(Jeg2FC)       1       N562(Jeg2FC)       1       N562(Jeg2FC)       1       N562(Jeg2FC)       1       N562(Jeg2FC)       1       N662(Jeg2FC)       1       N562(Jeg2FC)       1       N662(Jeg2FC)       1       N562(Jeg2FC)       1       N662(Jeg2FC)       1       N662(	IBP       1       GenelD       1       GenelType       1       CliptopNum       1       CliptopNum       1       Hepd2(log2FC)       1       K542(log2FC)       1       Pan Cancer         GF28P2       1       Existance       1       GenelType       1       Istance       1       CliptopNum       1       CliptopNum       1       Max       1       0332       1       Pan Cancer         GF28P2       1       Existance       1       GenelType       1       Istance       1       CliptopNum       1       CliptopNum       1       Max       1       0332       1       Pan Cancer         GF28P2       1       Existance       1       GenelType       1       CliptopNum       1       CliptopNum       1       Hepd2(log2FC)       1       Association       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       236       1       2353       1	INRNPA1	I         GenelD           1         ENSGC000167468           11         GenelD           12         ENSGC000068366           11         GenelD           11         ENSGC0000165637	GeneName           GPX4           GeneName           ACSL4           GeneName           VDAC2	GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding	ClusterNum       16       ClusterNum       44       ClusterNum       ClusterNum	ClipExpNum 6 ClipExpNum 7 7 ClipExpNum 1 7	1 ClipšiteNum 30 1 ClipšiteNum 59 1 ClipšiteNum 55	Hep62(log2Fc)           -1.190           Hep62(log2FC)           1.231           Hep62(log2FC)           1.0232	II         K562(log2FC)           II         0.405           III         K562(log2FC)           III         K562(log2FC)           III         K562(log2FC)           III         K562(log2FC)           III         K562(log2FC)	1 Pan-Cancer 23 Pan-Cancer 1 55 Pan-Cancer 1 14	
BMSG0000167483         I         GPX4         I         Image: Constraint of the state of	GF28F2         I         Desconcentified         GP/4         protein_coding         IA         P         IA         PA         IAA         D332         D332 <thd332< th=""> <thd332< th=""> <thd332< th=""></thd332<></thd332<></thd332<>	INRNPA1	II         GenelD           II         ENGG0000167468           II         GenelD           II         GenelD           II         GenelD           II         ENGG000165837           II         GenelD		GeneType       protein_coding       GeneType       protein_coding       GeneType       protein_coding       GeneType       protein_coding       GeneType	ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum	ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum	1 ClipšiteNum 1 30 1 ClipšiteNum 59 1 ClipšiteNum 55 1 ClipšiteNum	Hep62(log2FC)           1380           Hep62(log2FC)           Hep62(log2FC)           Hep62(log2FC)           Hep62(log2FC)	K562(log2FC)           0.405           K562(log2FC)           NA           K562(log2FC)           NA           K562(log2FC)           NA           K562(log2FC)           K562(log2FC)           NA	Pan-Cancer Pan-Cancer Pan-Cancer Pan-Cancer F Pan-Cancer Pan-Cancer Pan-Cancer Pan-Cancer	
GenelD         I         GenelType         I         ClusterNum         I         ClipSteNum         I         ClipSteNum         I         Hepd2/[6g2FC)         I         K\$55/[6g2FC)         I         Pan-Cancer           EM6000006856         I         GenelType         I         ClipSteNum         I         ClipSteNum         I         ClipSteNum         I         ClipSteNum         I         D286         I         20           GenelD         GenelType         I         ClipSteNum         I         ClipSteNum         I         Pan-Cancer	R8P       I       Gene10       GeneName       GeneType       I       ClusterNum       I       ClipSpNum       I       ClipSpNum       I       Hspd2/log2FC       I       KS42/log2FC       I       Pan Cancer         1G72872       1       ScneiD       1       ACS.4       1       protein_coding       1       109       7       1       173       1       0419       1       0236       1       20         R8P       1       GenetD       1       GenetType       1       ClusterNum       1       ClipExpNum       1       ClipExpNum       1       Me922/log2FC       1       NA - Cancer         IGF28P2       1       NSG000001655377       1       VAC2       1       GeneType       1<	INRNPA1	II         GenelD           II         ENGG0000167468           II         GenelD           II         GenelD           II         GenelD           II         ENGG000165837           II         GenelD		GeneType       protein_coding       GeneType       protein_coding       GeneType       protein_coding       GeneType       protein_coding       GeneType	ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum ClusterNum	ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum ClipExpNum	1 ClipšiteNum 1 30 1 ClipšiteNum 59 1 ClipšiteNum 55 1 ClipšiteNum	Hep62(log2FC)           1380           Hep62(log2FC)           Hep62(log2FC)           Hep62(log2FC)           Hep62(log2FC)	K562(log2FC)           0.405           K562(log2FC)           NA           K562(log2FC)           NA           K562(log2FC)           NA           K562(log2FC)           K562(log2FC)           NA	Pan-Cancer Pan-Cancer Pan-Cancer Pan-Cancer F Pan-Cancer Pan-Cancer Pan-Cancer Pan-Cancer	
ENSG000006866         I         ACSL4         I         protein_coding         I         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	GF28F2       1       ExtSG0000065666       ACSL4       1       protein_coding       1       97       1       173       1       0.419       1       0.228       1       20         18P       1       GenelD       1       GenelType       1       ClubterNum       1       ClubterNum<	889 RSSF1 885 RSSF1 889 RSSF1 889 RSSF1 899 899 899	III         GenelD           III         Ensc00000167468           III         GenelD           III         CenelD           III         CenelD           III         Ensc00000658365           III         GenelD           III         Exec00000765637           IIII         Ensc00000078658           III         Ensc00000078658	GeneName GPX4 GPX4 CeneName ACSL4 ACSL4 ACSL4 VDAC2 GeneName VDAC3	GeneType     orotein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding	ClusterNum       15       ClusterNum       ClusterNum       ClusterNum       ClusterNum       ClusterNum       16       ClusterNum       18	Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum	1     ClipšiteNum       1     50       1     ClipšiteNum       1     55       1     ClipšiteNum       1     25       1     10       2     38	HepG2(log2FC)           1300           HepG2(log2FC)           HepG2(log2FC)           HepG2(log2FC)           HepG2(log2FC)           0.875	II         K582(log2FC)           0.405         0.405           II         K482(log2FC)	Pan-Cancer       23       Pan-Cancer       133       Pan-Cancer       133       Pan-Cancer       134       Pan-Cancer       135       Pan-Cancer       136       Pan-Cancer       125	
GenelD I GeneName GeneType I ClusterNum I ClipExpNum I ClipExpNum I ClipExpNum I K552(log2FC) I K552(log2FC) I Pan-Cancer	IBP         I         Genel D         I         Genel Yame         I         ClusterNum         I         CliptopNum         I         CliptopNum         I         Hep22(sg2FC)         I         K452(sg2FC)         I         K452(sg2FC)         I         Memory         Description           072872         1         EXISCO000165537         I         VDAC2         I         Odd         I         I         I         I         DES33         I         Med         I         II	889 RSSF1 885 RSSF1 889 RSSF1 889 RSSF1 899 899 899	III         GenelD           III         Ensc00000167468           III         GenelD           III         CenelD           III         CenelD           III         Ensc00000658365           III         GenelD           III         Exec00000765637           IIII         Ensc00000078658           III         Ensc00000078658	GeneName GPX4 GPX4 CeneName ACSL4 ACSL4 ACSL4 VDAC2 GeneName VDAC3	GeneType     orotein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding	ClusterNum       15       ClusterNum       ClusterNum       ClusterNum       ClusterNum       ClusterNum       16       ClusterNum       18	Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum	1     ClipšiteNum       1     50       1     ClipšiteNum       1     55       1     ClipšiteNum       1     25       1     10       2     38	HepG2(log2FC)           1300           HepG2(log2FC)           HepG2(log2FC)           HepG2(log2FC)           HepG2(log2FC)           0.875	II         K582(log2FC)           0.405         0.405           II         K482(log2FC)	Pan-Cancer       23       Pan-Cancer       133       Pan-Cancer       133       Pan-Cancer       134       Pan-Cancer       135       Pan-Cancer       136       Pan-Cancer       125	
	GF28P2 1 ENSG00000155637 1 VDAC2 1 protein coding 1 46 1 7 1 83 1 0.853 1 NA 1 17	NRNPA1 89 8551 89 8551 89 89 89 8551 89 89 89 89 89 89 89 89 89 89 89 89 89	11         GenelD           1         ENSCOUDD167468           11         GenelD           11         ENSCOUDD167468           12         GenelD           13         GenelD           14         ENSCOUD167468		GeneType     orotein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding      GeneType     protein_coding	ClusterNum           15           ClusterNum           44           10           11           20           12           20           13           14           15	Cliptophum	1         ClipSiteNum           1         20           1         ClipSiteNum           2         59           1         ClipSiteNum           1         53           2         ClipSiteNum           1         53           3         ClipSiteNum           1         38	Image: HepG2(leg2FC)           1360           HepG2(leg2FC)           13231           HepG2(leg2FC)           1000	II         K582(log2FC)           0.605         IKA2(log2FC)           II         IKA2(log2FC)           II         K42(log2FC)	Image: Second	
ENSCO0000165537 VDAC2 protein coding 1 46 1 7 1 83 1 -0.853 1 NA 1 17		80 85 85 85 85 85 85 85 85 85 85 85 85 85	1         GenetD           1         ExeG0000167468           1         ExeG0000167468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000175468           1         ExeG0000167468	GeneName           GPX4           GeneName           Acst4           GeneName           VDAC2           GeneName           VDAC3           GeneName           CASH           GeneName           CASH           GeneName           CASH           GeneName           GASH           GeneName           GASH           GeneName           GASH	Image: Control of the second secon	ClusterNum	Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum	1     ClipSiteNum       1     50       1     ClipSiteNum	Hep62(log2fc)           1         1150           1         Hep62(log2fc)           1         Hep62(log2fc)           1         Hep62(log2fc)           1         Hep62(log2fc)           2         0.875           1         Hep62(log2fc)           1         Hep62(log2fc)           2         NA           1         Hep62(log2fc)	I         K482.(log2FC)           I         0.065           II         K482.(log2FC)	Pan Cancer           23           Pan-Cancer           10           11           12           13           14           15           16           17           18           19           11           12           13           14           15           16           17           17           18           19           10           11           12           13	
	28.P Gene/Dame Gene/Vase ClusterNum ClisticeNum Heg22/6x92/0 VE65/6x26/0 Dam/Cause	89 8551 8551 8551 8551 8551 8551 8551 85	1         CenetD           1         Execcontervals           1         Execcontervals           1         CenetD           1         Execcontervals           1         CenetD           1         Execcontervals           1         CenetD           1         Execcontervals           1         ExectD           1         ExectD           1         ExectD           1         ExectD           1         ExectD	GeneName           GP94           GeneName           ACSL4           GeneName           VDAC3           GeneName           GeneName           GeneName           GeneName           GeneName           GRM4           GeneName           GRM4           GRM4	GeneType     erotein_coding     coding	ClusterNum	Cliptophum Zliptophum	1         ClipSiteNum           1         30           1         ClipSiteNum           1         53           1         ClipSiteNum           1         53           1         ClipSiteNum           1         53           1         ClipSiteNum           1         38           1         ClipSiteNum           1         38	Hep62(log2fc)           1380           Hep62(log2fc)           1387           Hep62(log2fc)           0382           Hep62(log2fc)           0675           Hep62(log2fc)           1           Na           Hep62(log2fc)           0875	1         K542.(log2FC)           1         0.465           1         0.465           1         K542.(log2FC)           1         K64           1         K64           1         K64           1         K64           1         K64           1         K642.(log2FC)           1         K642.(log2FC)           1         0.832           1         C632	Pan Cancer           23           Pan Cancer           100           110           121           122           123           124           125           126           127           128           129           121           121           121           122           123	
Ganeti Ganetine Ganetine (distribution (distribution Kang2dar210)		RRNPA1 BP RSF1 BP RSF1 BP RSF1 BP BP BP BP FF2BP2 BP BP	11         GenetD           11         ENSG0000167468           12         ENSG00000068386           13         GenetD           14         GenetD           15         ENSG0000165837           16         GenetD           17         ENSG00000165837           18         GenetD           19         ENSG0000178688           11         GenetD           12         ENSG00000174688           13         GenetD           14         ENSG000008356           15         GenetD		GeneType     protein_coding     deneType     protein_coding     deneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType     protein_coding     GeneType	ClusterNum           1           1           2           1           2           2           2           3           2	Cliptophum	1         ClipSiteNum           1         S3           1         ClipSiteNum           1         S3           1         ClipSiteNum           1         S3           2         ClipSiteNum           1         S3           2         ClipSiteNum           1         S3           2         ClipSiteNum           1         S3           2         ClipSiteNum           1         ClipSiteNum           12         ClipSiteNum           13         ClipSiteNum	Hep62(log2FC)           1350           Hep62(log2FC)	1         K542(log2FC)           0         0x655           1         K542(log2FC)           1         K542(log2FC)	Pan-Cancer           23           Pan-Cancer           10           11           12           13           14           15           16           17           18           19           19           10           11           12           13           14           15           15           16           17           18           19           19           10           11           12           13           14           15           15           16           17           18           19           19           10           10           10           11           12           13           14           15           15           16           17           18           17           18	
	conservation and a server and a	RRNPA1 BP RSF1 BP RSF1 BP RSF1 BP RSF1 BP BP FZBP2 BP BP FZBP2 BP	11         GenetD           12         ENSG0000167468           13         GenetD           14         GenetD           15         GenetD           16         GenetD           17         ENSG0000165877           18         GenetD           19         ENSG00000178589           11         GenetD           12         ENSG0000167468           13         GenetD           14         ENSG00000167468           15         ENSG00000165837		GeneType     protein_coding     deneType     protein_coding     GeneType     protein_coding	ClusterNum           16           ClusterNum           44           180           180           180           180           180           180           180           180           180           180           180           190	CliptopNum	1         ClipSiteNum           1         S0           1         ClipSiteNum           1         S9           1         ClipSiteNum           1         S1           2         ClipSiteNum           1         S1           3         ClipSiteNum           1         S2           3         ClipSiteNum           1         S2           3         S2           1         ClipSiteNum           1         ClipSiteNum           1         ClipSiteNum           1         S2           2         S2           3         S3	Hep62(log2FC)           1380           Hep62(log2FC)           Hep62(log2FC)	III         K542(log2FC)           III         6x655           III         K542(log2FC)           III         K542(log2FC)           IIII         K542(log2FC)           IIII         K542(log2FC)           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Pan-Cancer           23           Pan-Cancer           10           11           12           13           14           15           16           17           18           19           11           12           12           13           14           15           16           17           18           19           19           10           11           12           13           14           15           15	
	REP GenelD GeneName GeneType ClusterNum ClipExpNum ClipExpNum HenC2/log2EC) K552/log2EC	80 85 85 85 85 85 85 85 85 85 85 85 85 85	1         GenetD           1         ExeG0000167468           1         ExeG0000167468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000165468           1         ExeG0000175468           1         ExeG0000167468	GeneName           GPX4           GeneName           Acst4           GeneName           VDAC2           GeneName           VDAC3           GeneName           CASH           GeneName           CASH           GeneName           CASH           GeneName           GASH           GeneName           GASH           GeneName           GASH	Image: Control of the second secon	ClusterNum	Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum Cliptophum	1     ClipSiteNum       1     50       1     ClipSiteNum	Hep62(log2fc)           1         1150           1         Hep62(log2fc)           1         Hep62(log2fc)           1         Hep62(log2fc)           1         Hep62(log2fc)           2         0.875           1         Hep62(log2fc)           1         Hep62(log2fc)           2         NA           1         Hep62(log2fc)	I         K482.(log2FC)           I         0.065           II         K482.(log2FC)	I         Pan-Cance	eer eer