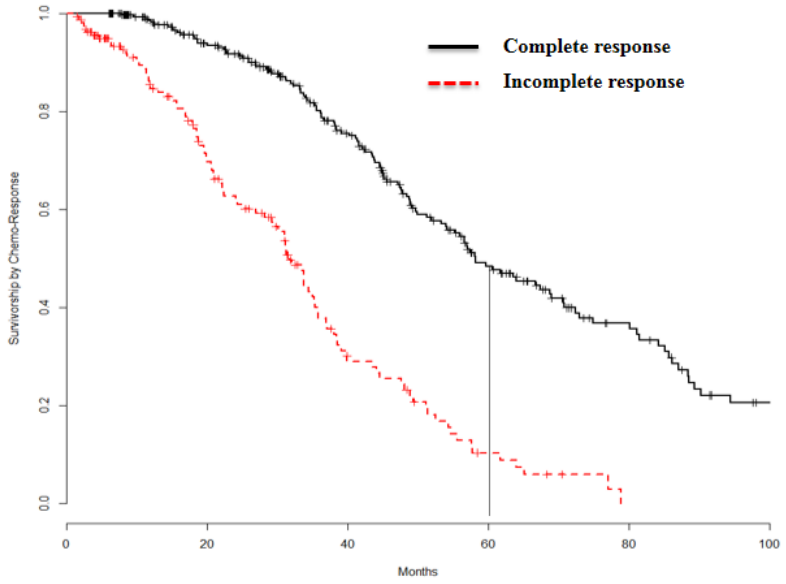
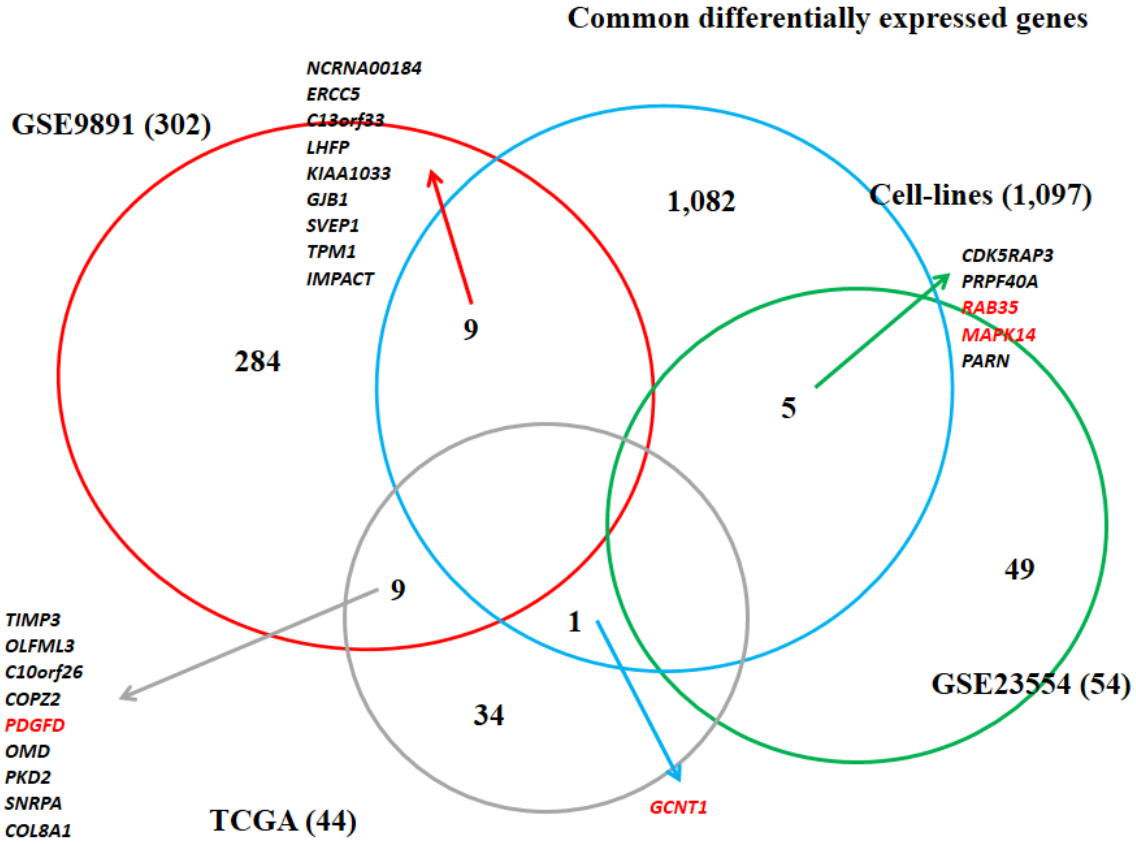
Supplementary Figure 1



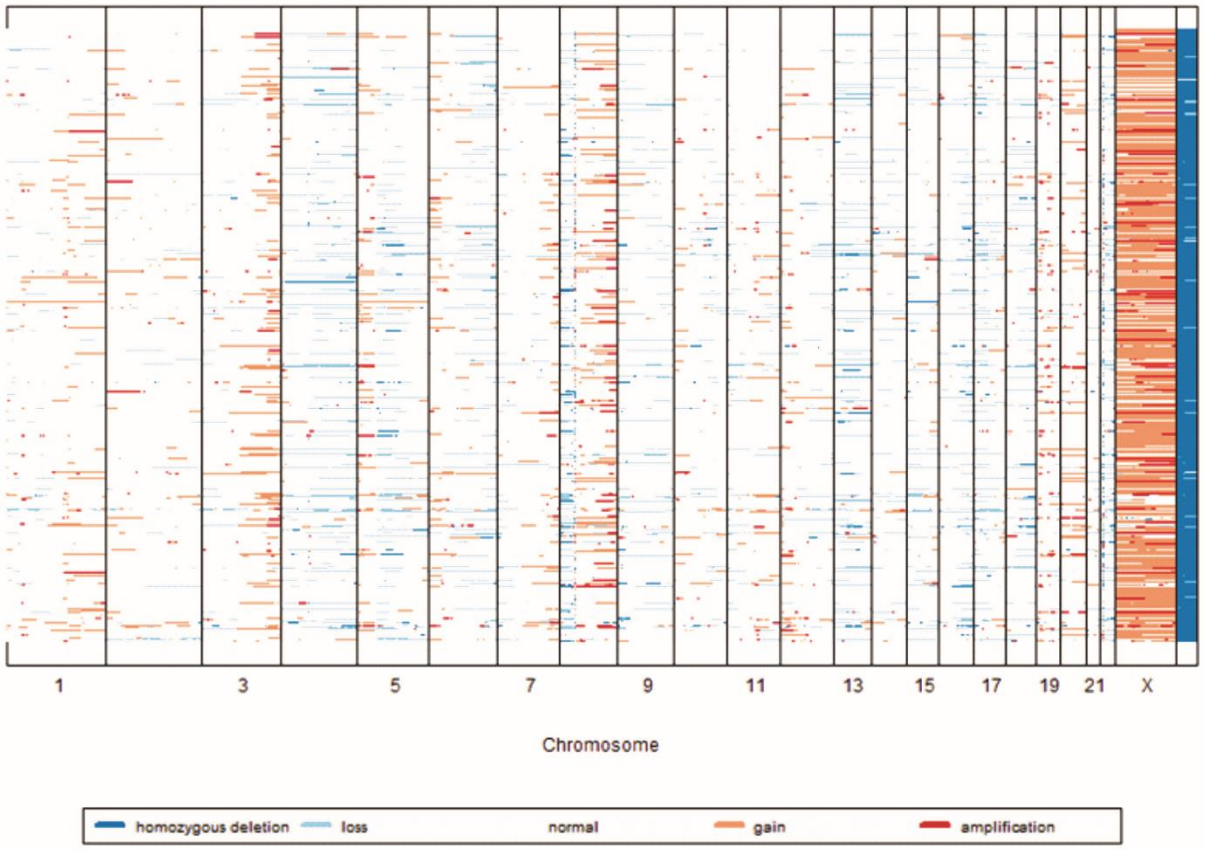
Cox proportional hazard ratio

	coef	exp(coef)	se(coef)	z	Pr(>|z|)
Age	0.02	1.02	0.01	3.76	1.78E-04
Optimal Surgery	-0.64	0.52	0.25	-2.54	1.18E-02
Optimal Treatment	0.59	1.81	0.24	2.5	1.50E-02
Chemo-Response	1.24	3.47	0.15	8.19	2.22E-16

Supplementary Figure 2

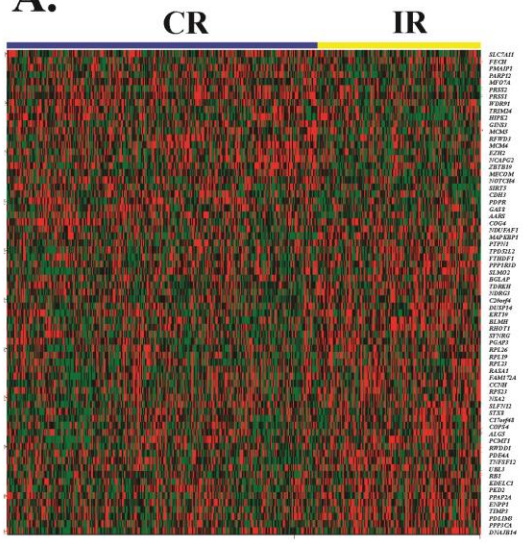


Supplementary Figure 3



Supplementary Figure 4

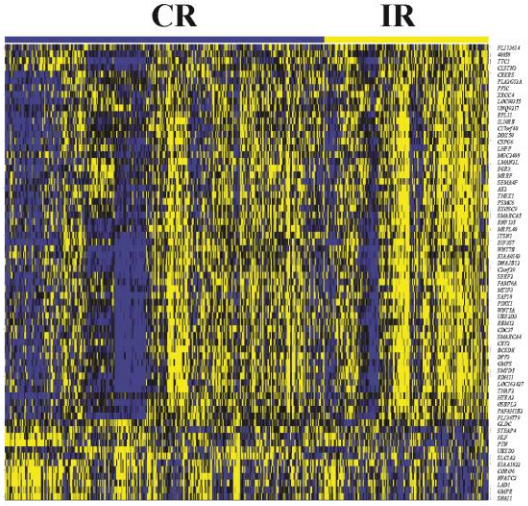
A.



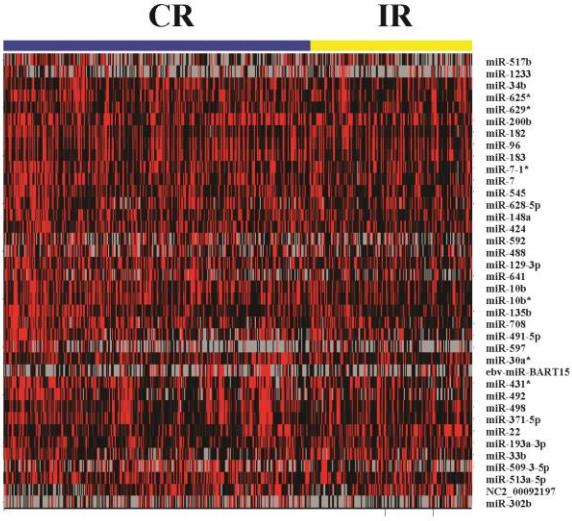
B.

Mutation	mRNA	p-value	estimates	qFDR
TP53	*PLSCR1*	6.21E-05	0.28	3.50E-05
TP53	*SERHL2*	1.72E-04	0.27	3.50E-05
TP53	*DNAJB14*	2.14E-04	-0.26	3.50E-05
TP53	*PDLIM5*	2.34E-04	-0.26	3.50E-05
TP53	*DUSP4*	2.52E-04	-0.26	3.50E-05
TP53	*MAVS*	2.52E-04	0.26	3.50E-05
TP53	*PKD2*	2.67E-04	-0.26	3.50E-05
TP53	*SCHIP1*	2.99E-04	-0.26	4.19E-05
TP53	*IGFBP4*	3.82E-04	-0.25	4.19E-05
TP53	*MEIS3P1*	4.01E-04	-0.25	4.19E-05
TP53	*WTAP*	4.70E-04	-0.25	4.19E-05
TP53	*LIPG*	4.95E-04	-0.25	4.19E-05
TP53	*FASTK*	5.12E-04	0.25	4.19E-05
TP53	*NARS2*	5.89E-04	0.25	4.19E-05
TP53	*PLK2*	7.32E-04	-0.24	5.12E-05
TP53	*CSNK2A2*	8.55E-04	-0.24	5.12E-05
TP53	*NQO1*	9.15E-04	0.24	5.12E-05
TP53	*BRAF*	9.27E-04	0.24	5.12E-05
SMARCA4	*ARFGEF2*	6.57E-04	0.24	5.12E-05
ODZ1	*SEC62*	2.92E-04	-0.26	3.50E-05
ODZ1	*MSL1*	5.41E-04	-0.25	4.19E-05
ODZ1	*SYNGR1*	6.33E-04	-0.24	4.19E-05

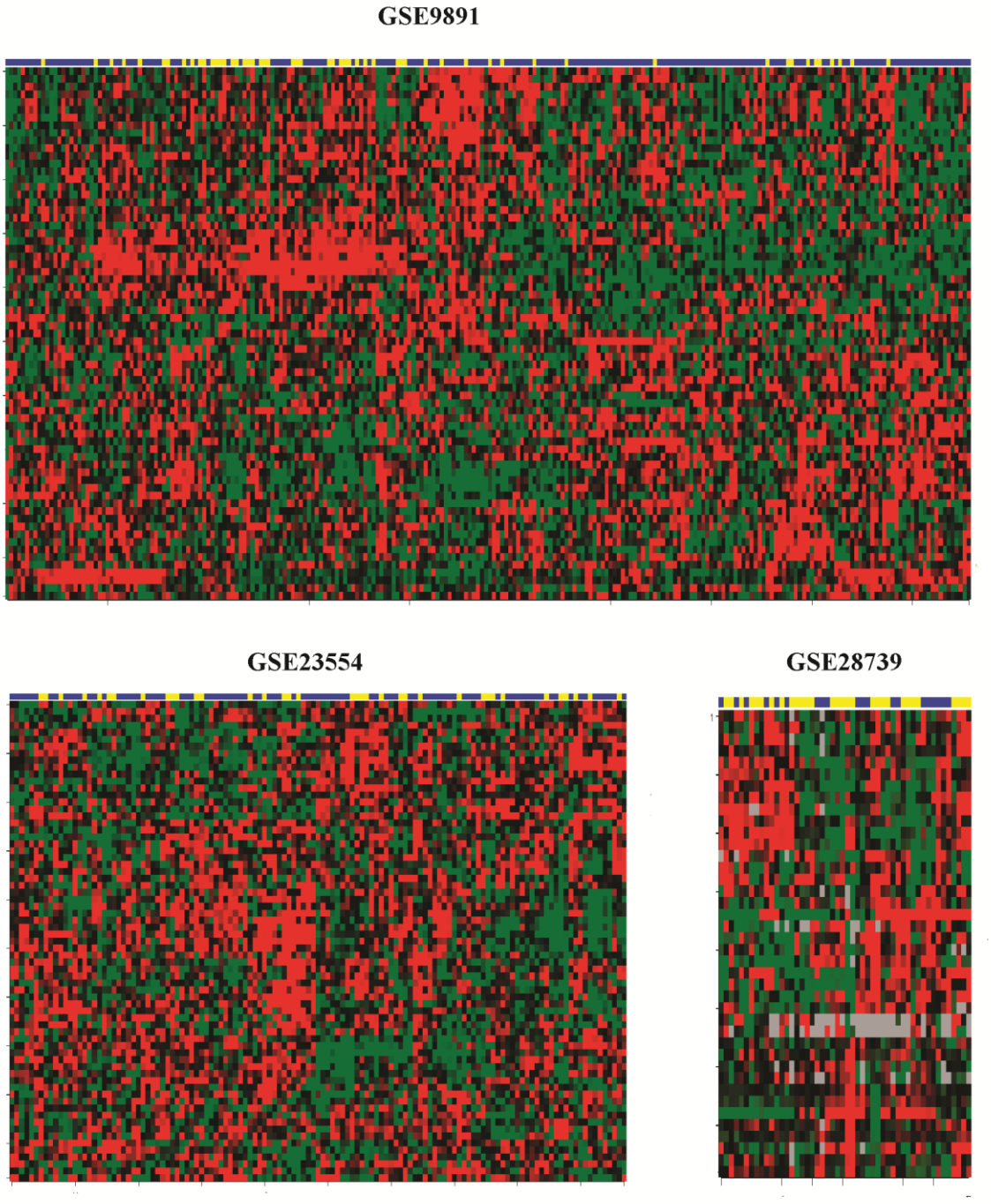
C.



D.

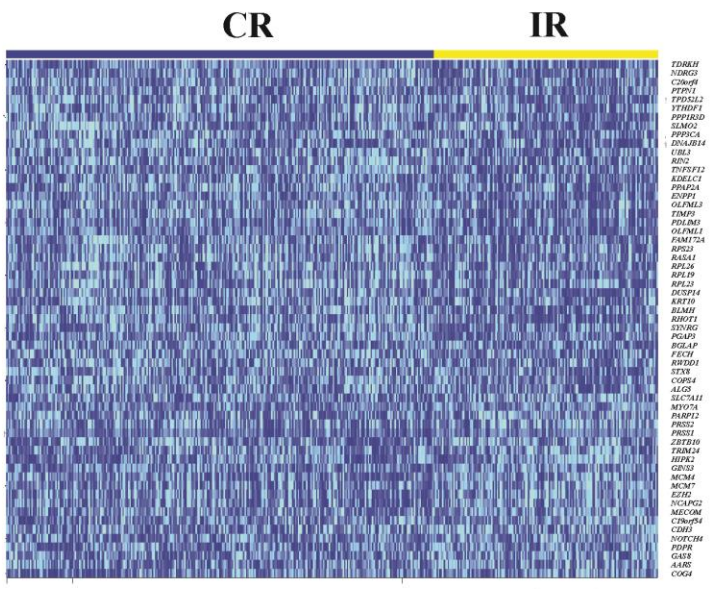


Supplementary Figure 5

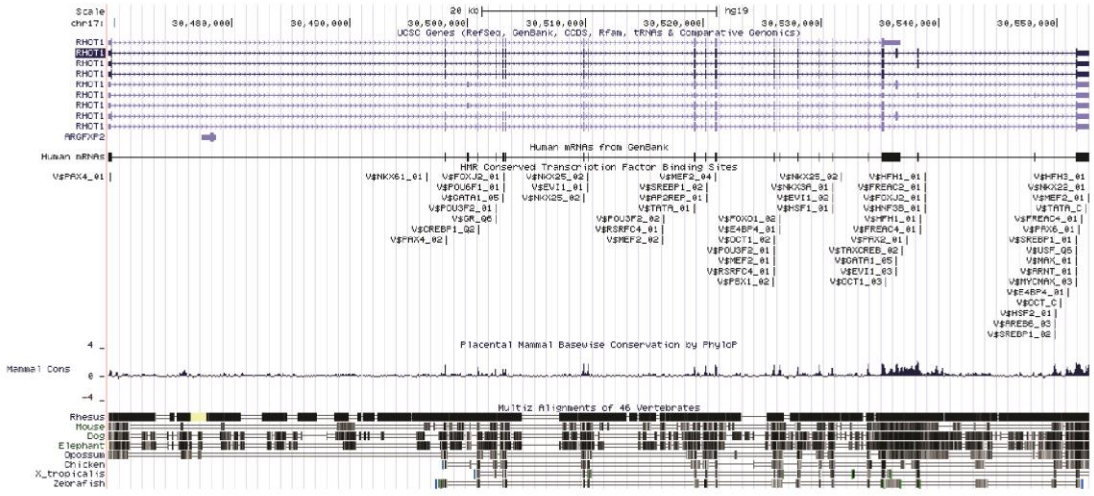


Supplementary Figure 6

A.



B.



Supplementary Figure 7

A. GSE9891 (Tothill[15]) Kappa: 0.86

	TCGA		
Tothill	Cluster 1	Cluster 2	Total
Cluster 1	131	11	142
Cluster 2	15	265	280
Total	146	276	422

B. GSE3149 (Bild[14]) Kappa: 0.75

	TCGA		
Bild	Cluster 1	Cluster 2	Total
Cluster 1	126	28	154
Cluster 2	20	248	268
Total	146	276	422

C. GSE26712 (Bonome[18]) Kappa: 0.45

	TCGA		
Bonome	Cluster 1	Cluster 2	Total
Cluster 1	109	74	183
Cluster 2	37	202	239
Total	146	276	422

D. GSE23554 (Marchion[12]) Kappa: 0.66

	TCGA		
Marchion	Cluster 1	Cluster 2	Total
Cluster 1	124	46	170
Cluster 2	22	230	252
Total	146	276	422

E. GSE17260 (Yoshihara[17]) Kappa: 0.60

	TCGA		
Yoshihara	Cluster 1	Cluster 2	Total
Cluster 1	81	8	89
Cluster 2	56	231	287
Total	137	239	376