

## TABLE S2: SAM analyses

13-02-21

Histotype	Sample Number
HGS	65
CCC	33
EC	29

### Analyses Sample Numbers:

	n
CCC vs. HGS	98
EC vs. HGS	94

Note: Protein levels are measured relative to HGS protein expression.

### CCC vs HGS

### PROTEINS UP-REGULATED

Protein RPPA ID	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	FDR(%)*
HSP27 (c)	5.413	0.866	0.16	1.822	0
4EBP1pS65	5.354	0.562	0.105	1.476	0
CCNE1	4.671	1.039	0.222	2.055	0
p38pT180	4.078	0.717	0.176	1.644	0
$\beta$ Catenin	3.182	0.431	0.136	1.349	0
ACC1 (c)	3.054	0.485	0.159	1.4	0
HSP70 (c)	3.044	0.611	0.201	1.527	0
SRCpY416	3.019	0.494	0.164	1.409	0
Ecadherin	2.974	0.7	0.235	1.625	0
RAD51 (c)	2.967	0.382	0.129	1.303	0
ACCpS79	2.612	0.443	0.17	1.359	0
p38	2.466	0.312	0.126	1.241	0
STAT5pY694 (vp)	2.401	0.363	0.151	1.286	0
SMAD3	2.394	0.354	0.148	1.278	0
p21	2.185	0.222	0.102	1.167	0
AKTpT308	2.168	0.364	0.168	1.287	0
STAT3pS727 (vp)	1.853	0.295	0.159	1.227	0
STAT6pY641 (vp)	1.819	0.232	0.128	1.175	0
GSK-3 $\beta$ pS9	1.507	0.171	0.114	1.126	2.828
GSK3-3 $\alpha$ / $\beta$ pS21	1.457	0.194	0.133	1.144	2.828
GATA-2	1.446	0.219	0.151	1.164	2.828
p90RSKpT359 (c)	1.293	0.137	0.106	1.1	5.12
S6pS235	1.267	0.267	0.21	1.203	5.12
p27	1.25	0.197	0.158	1.146	5.12
EIF4E	1.248	0.148	0.118	1.108	5.12
AKTpS473	1.2	0.256	0.214	1.194	5.12

CD31	1.162	0.114	0.098	1.082	5.12
S6pS240	1.106	0.187	0.169	1.139	6.259
EGFRpY1173	1.102	0.145	0.131	1.105	6.259
Transglut	1.059	0.23	0.218	1.173	6.259
BCL2	0.982	0.151	0.154	1.11	10.443
EGFR	0.934	0.118	0.127	1.086	10.443
14-3-3 Epsilon (c)	0.821	0.082	0.1	1.058	15.536
CCND1	0.793	0.104	0.131	1.075	15.536
14-3-3 $\beta$	0.679	0.08	0.117	1.057	17.435
STAT3 (vp)	0.622	0.092	0.148	1.066	20.929

### CCC vs HGS

### PROTEINS DOWN-REGULATED

Protein RPPA ID	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	FDR(%)*
AKT	-1.903	-0.367	0.193	0.776	0
MIG-6	-1.797	-0.218	0.121	0.86	0
MAPKpT202 Y204	-1.656	-0.39	0.235	0.763	1.116
PTEN	-1.656	-0.276	0.167	0.826	1.116
CAV1	-1.629	-0.538	0.33	0.689	1.116
CHK2 (c)	-1.462	-0.239	0.164	0.847	2.828
Telomerase (c)	-1.445	-0.145	0.1	0.905	2.828
4EBP1	-1.443	-0.189	0.131	0.877	2.828
PKC $\alpha$ pS657 (c)	-1.406	-0.146	0.104	0.904	2.828
SRCpY527	-1.331	-0.141	0.106	0.907	2.828
4EBP1pT37 T46	-1.295	-0.213	0.164	0.863	2.828
CCNB1	-1.266	-0.396	0.313	0.76	4.079
PR	-1.189	-0.325	0.273	0.798	4.079
EIG121 (c)	-1.166	-0.158	0.136	0.896	4.079
ATRIP (c)	-1.162	-0.14	0.12	0.908	4.079
p85	-1.161	-0.141	0.122	0.907	4.079
LCK (c)	-0.972	-0.146	0.15	0.904	10.443
XRCC1	-0.93	-0.095	0.102	0.936	10.443
CICasp7 (c)	-0.825	-0.19	0.23	0.877	11.57
Collagen VI	-0.768	-0.134	0.175	0.911	11.57
p70S6K	-0.73	-0.116	0.158	0.923	15.536
PCNA (c)	-0.699	-0.085	0.122	0.943	15.536
PDK1pS241	-0.676	-0.077	0.114	0.948	17.435
TSC2	-0.563	-0.066	0.116	0.956	20.929

### EC vs HGS

### PROTEINS UP-REGULATED

Protein RPPA ID	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	FDR(%)*
PR	7.17	2.548	0.355	5.848	0
CCND1	3.854	0.545	0.142	1.46	0
AMPKpT172	3.569	0.626	0.175	1.543	0
IRS1	3.313	0.546	0.165	1.46	0
BCL2	2.346	0.393	0.168	1.313	0

COX2 (c)	2.223	0.368	0.166	1.291	0
AKTpT308	2.194	0.395	0.18	1.315	0
p21	1.901	0.204	0.107	1.152	1.721
ERapS118	1.807	0.302	0.167	1.233	1.721
EIG121 (c)	1.707	0.261	0.153	1.198	2.816
SYK	1.686	0.392	0.233	1.312	2.816
Er $\alpha$	1.652	0.499	0.302	1.413	2.816
HSP70 (c)	1.602	0.356	0.222	1.28	2.816
CHK1 (c)	1.507	0.182	0.12	1.134	4.891
4EBP11pS65	1.49	0.166	0.111	1.122	4.891
14-3-3 Epsilon(c)	1.441	0.152	0.106	1.111	4.891
EGFR	1.345	0.197	0.147	1.147	4.891
AKTpS473	1.287	0.296	0.23	1.228	6.864
SRCPY416 (c)	1.275	0.221	0.173	1.165	6.864
$\alpha$ Catenin	1.23	0.166	0.135	1.122	6.864
EGFRpY1173	1.15	0.162	0.141	1.119	7.228
GSK-3 $\beta$ pS21	1.081	0.142	0.132	1.104	7.228
ACC1 (c)	1.064	0.164	0.154	1.12	7.228
SMAD3	1.004	0.138	0.138	1.1	11.616
RAD51 (c)	0.975	0.116	0.119	1.084	11.616
GATA3	0.885	0.116	0.131	1.083	11.616
GATA2 (vp)	0.878	0.148	0.168	1.108	11.616
IGFR $\beta$ (c)	0.878	0.155	0.176	1.113	11.616
EIF4E	0.851	0.108	0.127	1.078	11.616
p38pT180 Y182	0.787	0.147	0.187	1.107	17.156
ELF2ApS51 (vp)	0.766	0.108	0.141	1.077	17.156
HSP27 (c)	0.765	0.164	0.215	1.121	17.156
ACCpS79	0.753	0.126	0.168	1.092	17.156
PDK1pS241	0.721	0.087	0.121	1.062	17.156
STAT6pY641 (vp)	0.683	0.096	0.14	1.068	17.156
CD31	0.674	0.067	0.1	1.048	17.156
14-3-3 $\beta$	0.671	0.08	0.12	1.057	17.156
ATM (c)	0.616	0.114	0.186	1.082	20.287
SRC	0.609	0.122	0.201	1.088	20.287
BRAF (c)	0.59	0.089	0.151	1.064	20.287

## EC vs HGS

## PROTEINS DOWN-REGULATED

Protein RPPA ID	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	FDR(%)*
CofilinpS3 (vp)	-3.525	-0.765	0.217	0.588	0
STAT5	-3.244	-0.662	0.204	0.632	0
GAB2	-3.198	-0.649	0.203	0.638	0
c-Myc	-2.966	-0.44	0.148	0.737	0
YAP	-2.78	-0.308	0.111	0.808	0
S6pS235	-2.713	-0.545	0.201	0.685	0
CCNE1	-2.667	-0.52	0.195	0.697	0
S6pS240	-2.644	-0.408	0.154	0.754	0

Transglut	-2.635	-0.54	0.205	0.688	0
4EBP1pT37	-2.549	-0.466	0.183	0.724	0
FKHRL1pS318 (c)	-2.498	-0.503	0.201	0.706	0
CCNB1	-2.141	-0.796	0.372	0.576	0
MAPKpT202.Y204	-2.113	-0.539	0.255	0.688	0
STAT3pS727 (vp)	-1.863	-0.296	0.159	0.814	0
14-3-3 zeta	-1.797	-0.245	0.136	0.844	0
cJUNpS73	-1.765	-0.212	0.12	0.864	0
p70S6KpT389	-1.618	-0.222	0.137	0.857	1.721
BIM	-1.617	-0.315	0.195	0.804	1.721
MEK1_2pS217.S22:	-1.561	-0.208	0.133	0.866	1.721
STAT3 (vp)	-1.429	-0.2	0.14	0.87	2.816
PKCA $\alpha$	-1.362	-0.235	0.172	0.85	2.816
SRCPY527	-1.291	-0.133	0.103	0.912	4.891
Telomerase (c)	-1.231	-0.126	0.102	0.917	6.864
p90RSKpT359 (c)	-1.176	-0.123	0.104	0.919	6.864
MIG-6	-1.035	-0.113	0.109	0.925	11.616
CAV1	-1.001	-0.362	0.362	0.778	11.616
PCNA (c)	-0.996	-0.126	0.126	0.917	11.616
MEK1	-0.86	-0.137	0.16	0.909	17.156
p85	-0.808	-0.098	0.121	0.934	17.156
ATRIP (c)	-0.765	-0.095	0.124	0.936	20.287
Collagen VI	-0.748	-0.142	0.189	0.907	20.287

Note:

All antibodies validated with the exception of the following notations:

(c) = Caution - Further testing pending

(vp) = validation still pending

\* FDR = False discovery rate

Within each group, the percent probability that the difference in protein expression for each comparison is attributable to chance after correcting for multiple parameter testing.







