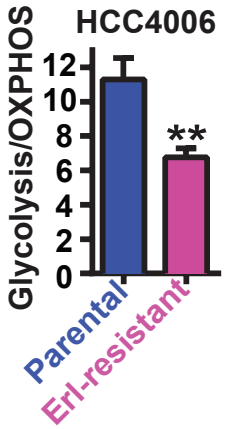
Figure S1

A



B

Biochemical	Pathway	A549 (Mesen/Par)		HCC827 (Mesen/Par)		NCI-H358 (Mesen/Par)	
		Log2.FC	p.value	Log2.FC	p.value	Log2.FC	p.value
glutamine	Amino acid	2.72	8.81E-11	1.94	5.67E-08	1.27	4.10E-05
tryptophan	Amino acid	2.5	2.24E-09	1.64	3.35E-06	2.39	5.47E-09
glutathione, reduced	Amino acid	1.46	0.02	3.46	3.80E-06	1.83	0.004581
glycerol 3-phosphate	Lipid	3.27	1.70E-17	1.25	1.68E-08	2.11	3.93E-13
4-guanidinobutanoate	Amino acid	-1.51	0.02888	-1.87	0.008235	-1.58	0.022984
glycerophosphorylcholine	Lipid	2.9	3.62E-13	2.21	1.28E-10	2.51	8.81E-12
2-myristoyl-GPC* (14:0)*	Lipid	-1.83	0.00058	-2.17	8.69E-05	-1.59	0.0020971
2-palmitoleoyl-GPC* (16:1)*	Lipid	-2.32	7.53E-05	-1.27	0.015692	-1.28	0.015063
glycerophosphoethanolamine	Lipid	4.8	1.95E-10	2.99	1.06E-06	2.86	2.21E-06
cysteinylglycine	Peptide	1.86	0.00159	1.51	0.008005	1.75	0.0027083

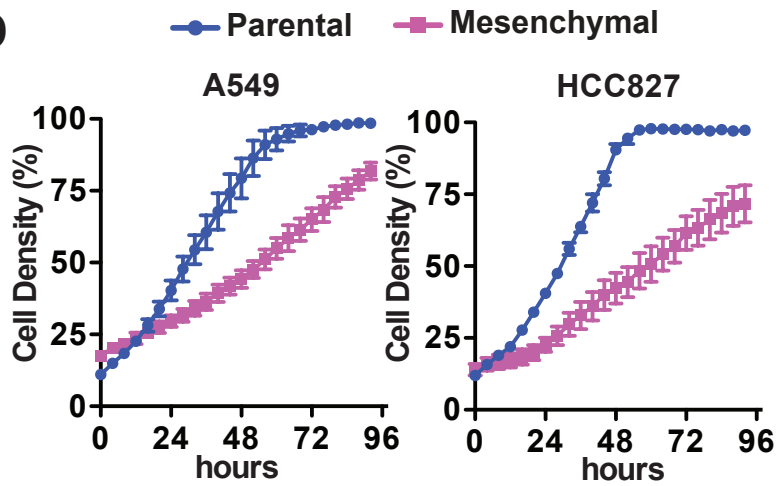
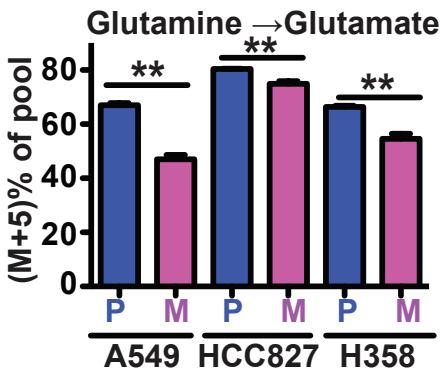
C

Cellular amino acid fold change (Mesenchymal/Parental)

	A549	HCC827	NCI-H358
aspartate	1.52	1.98	2.41
glutamine	6.41	3.92	2.22
glutamate	0.95	1.29	2.18
lysine	10.16	4.39	1.89
tryptophan	5.66	3.1	4.29
ornithine	4.53	1.86	1.81
proline	2.71	2.27	1.49
glycine	1.42	1.56	0.85
serine	4.86	2.63	0.87
threonine	4.96	3.55	0.82
asparagine	2.77	1.65	1.28
alanine	4.76	2.08	1.32
histidine	4.69	3.33	0.95
phenylalanine	4.35	2.63	0.77
tyrosine	4.66	2.73	0.83
isoleucine	5.67	2.38	1.09
leucine	6.37	2.59	0.92
valine	6.36	2.62	0.82
methionine	7.32	3.63	1.03
arginine	6.41	3.64	0.86

P<0.05 0.05<P<0.1

D



E