

Fig S1A

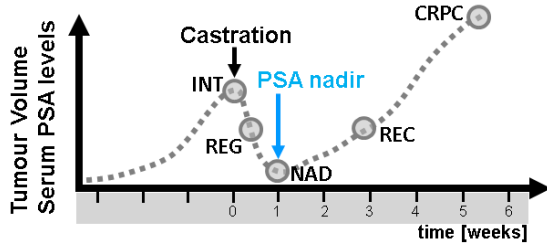
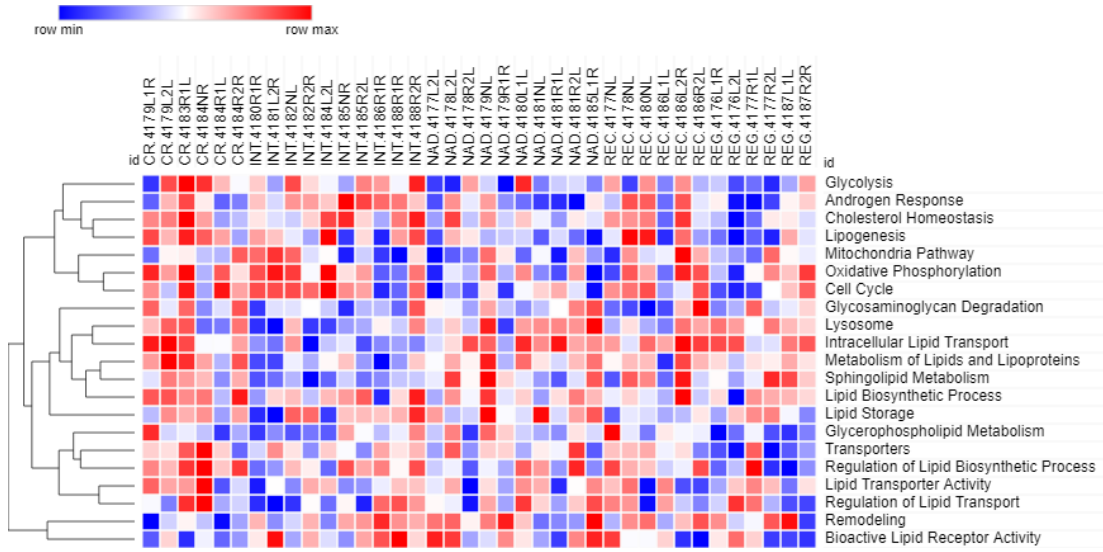


Fig S1B

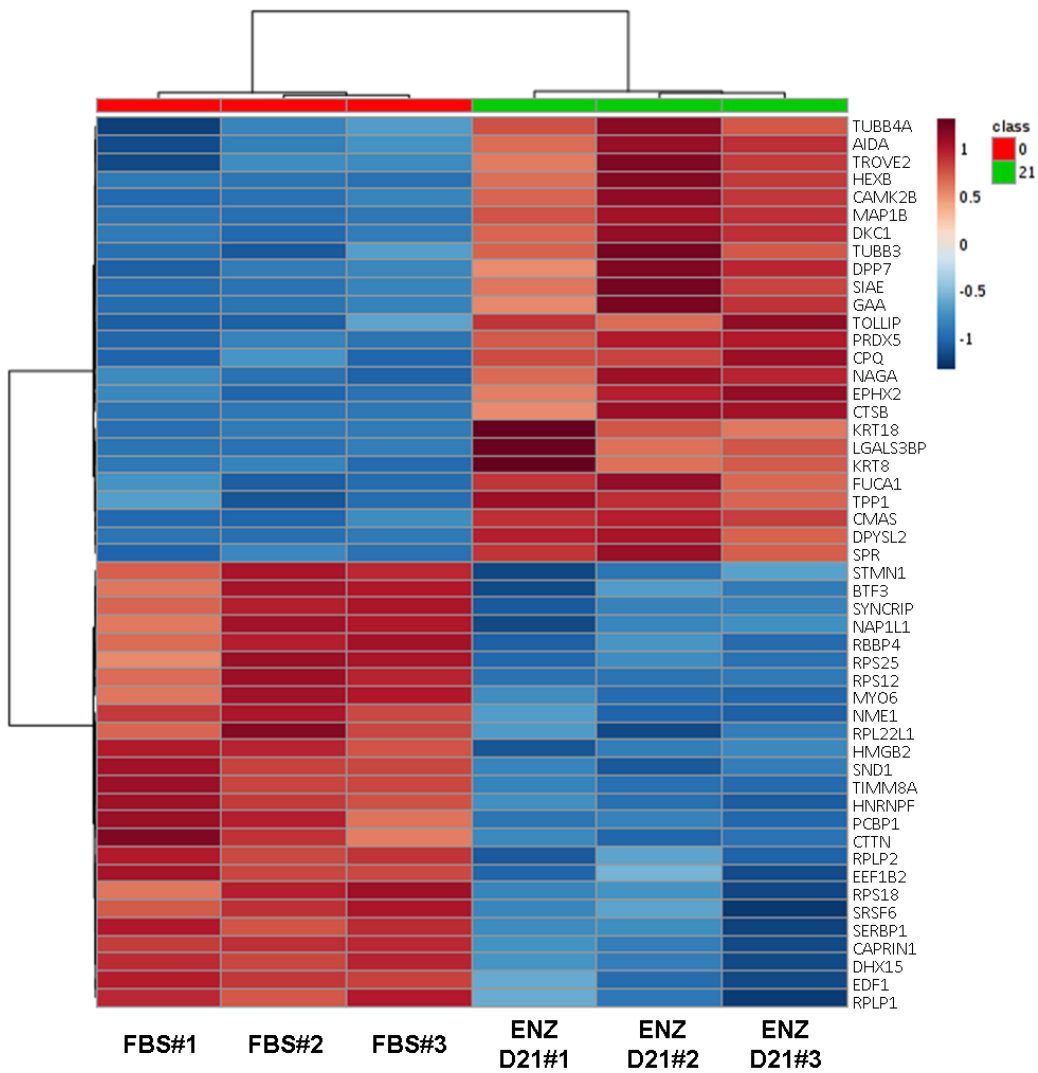
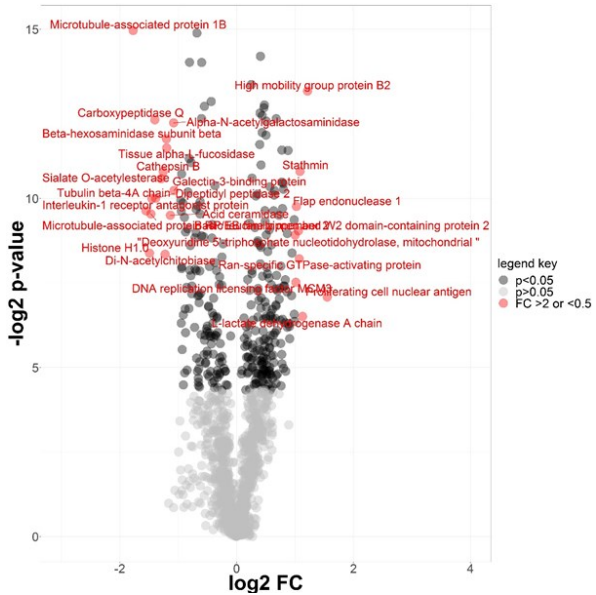
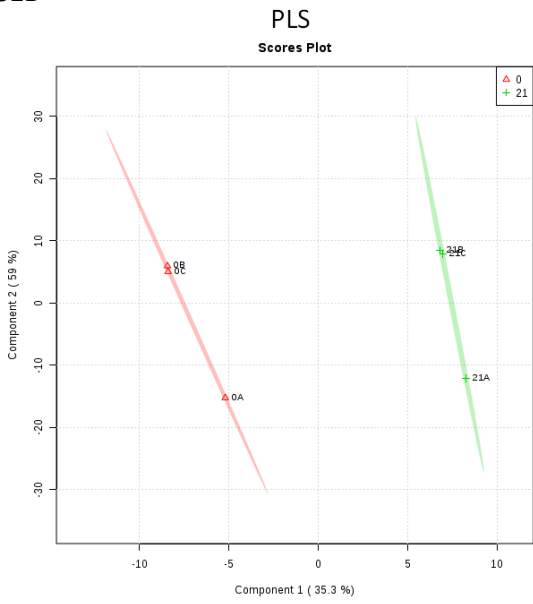


Fig S1C

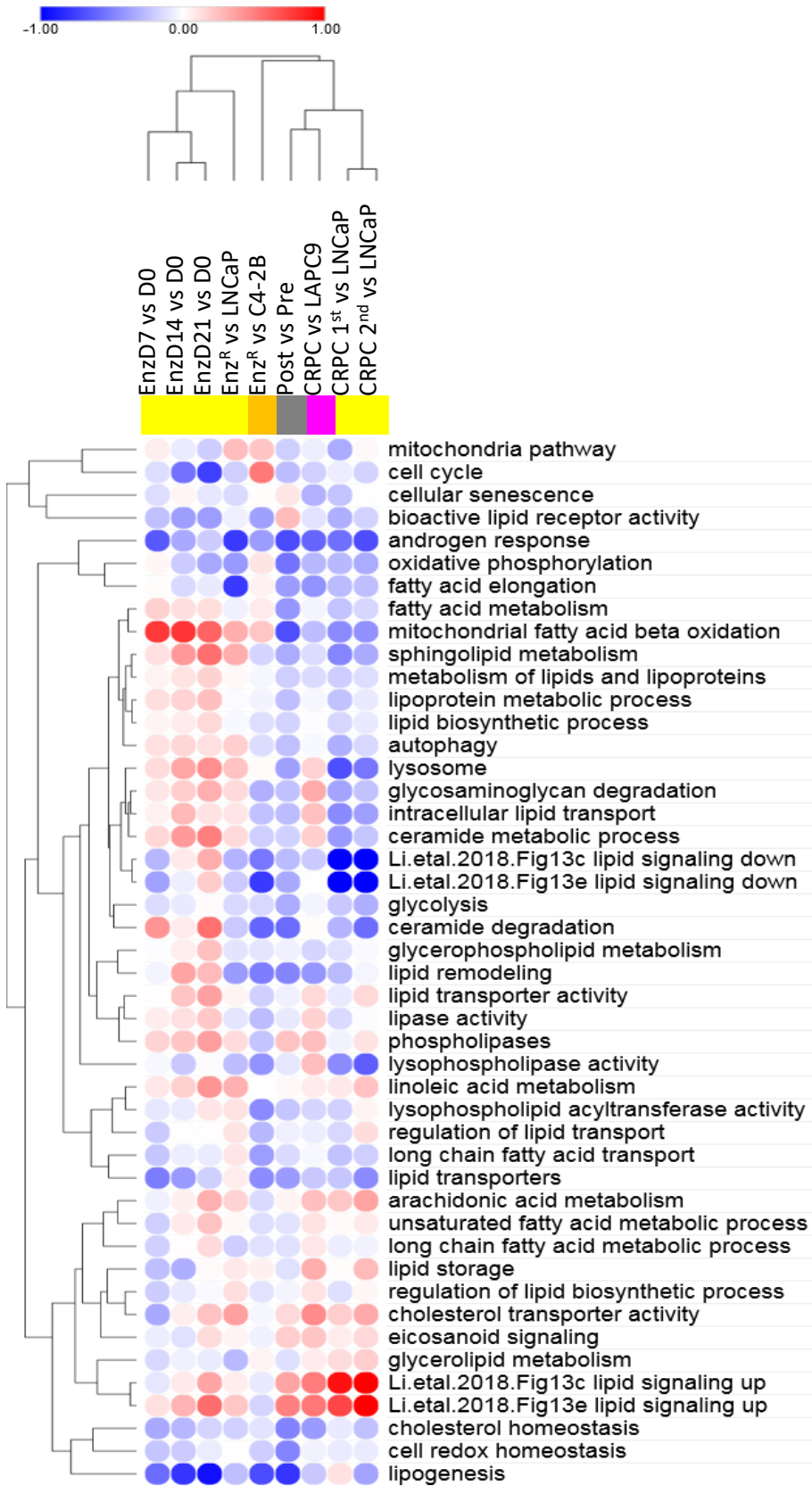


Fig S2A

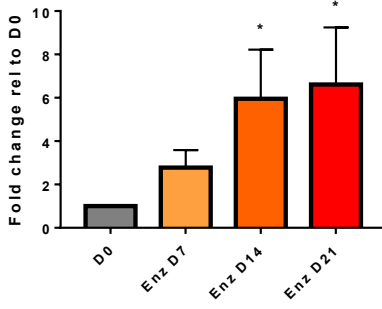


Fig S2B

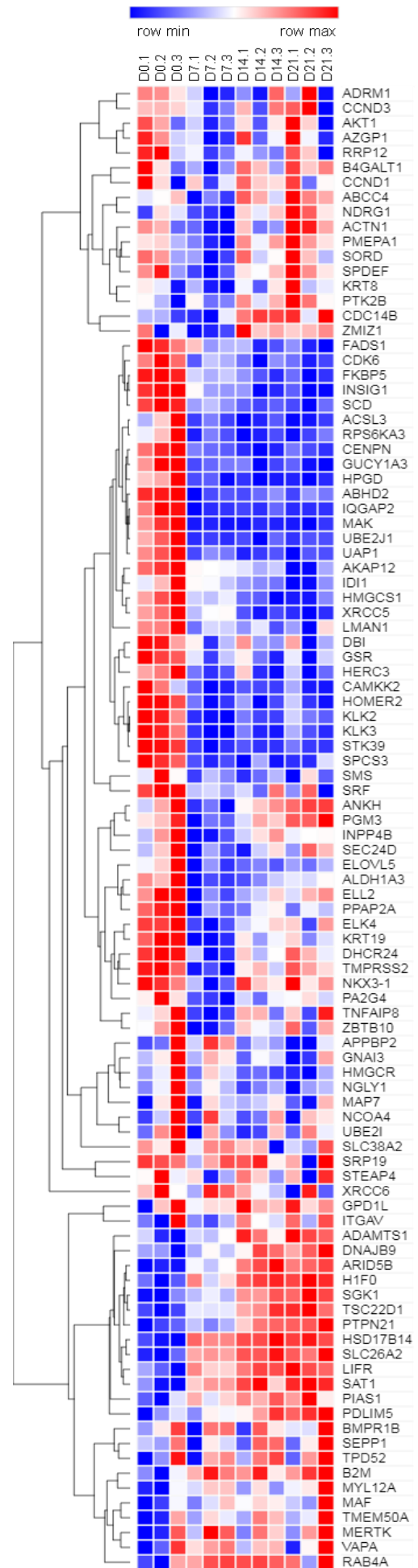


Fig S2C

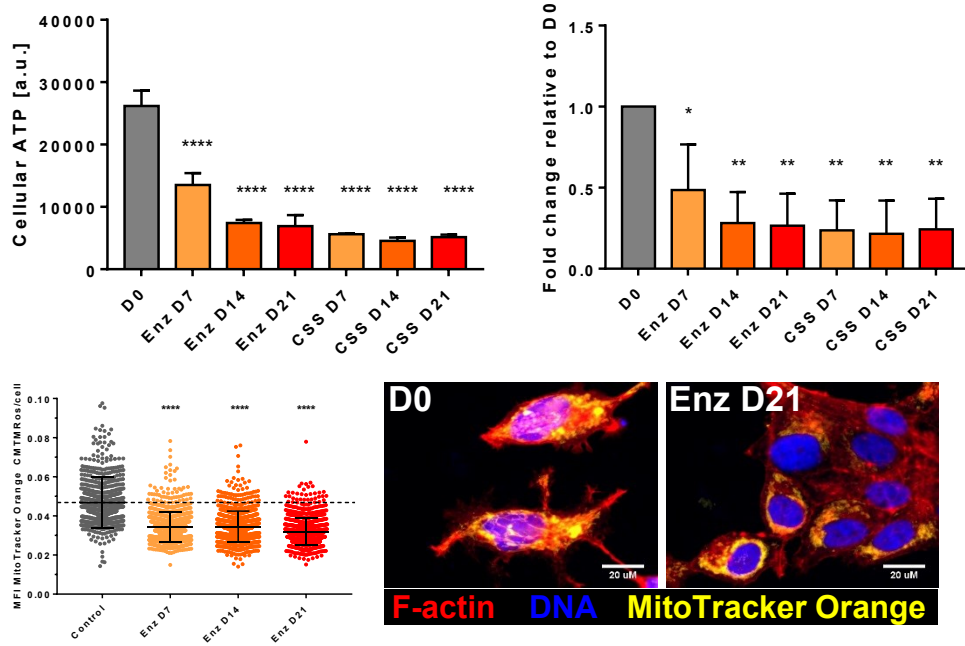


Fig S2D

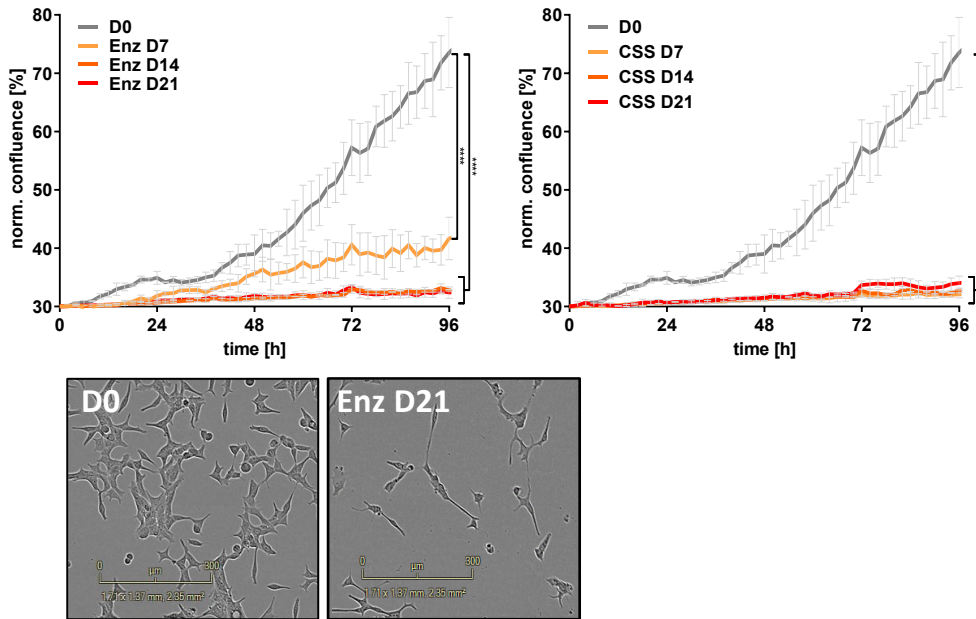


Fig S2E

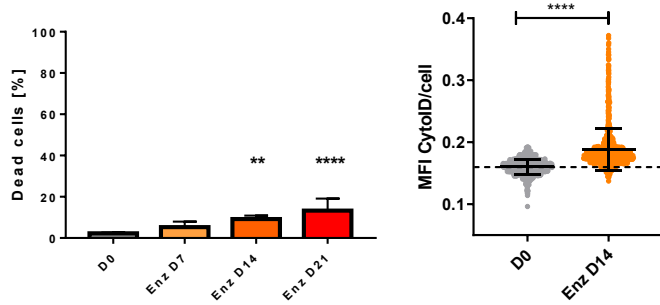


Fig S2F

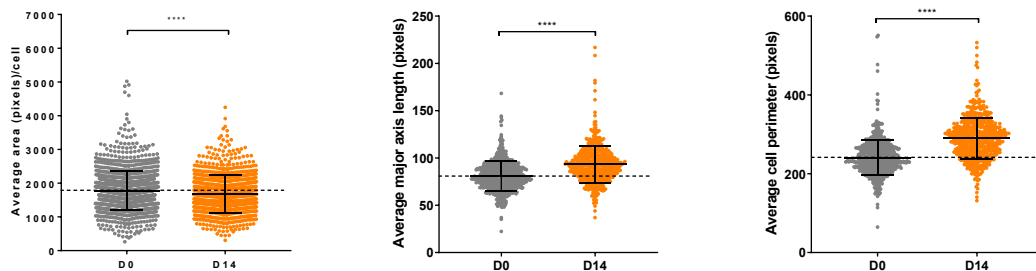


Fig S2G

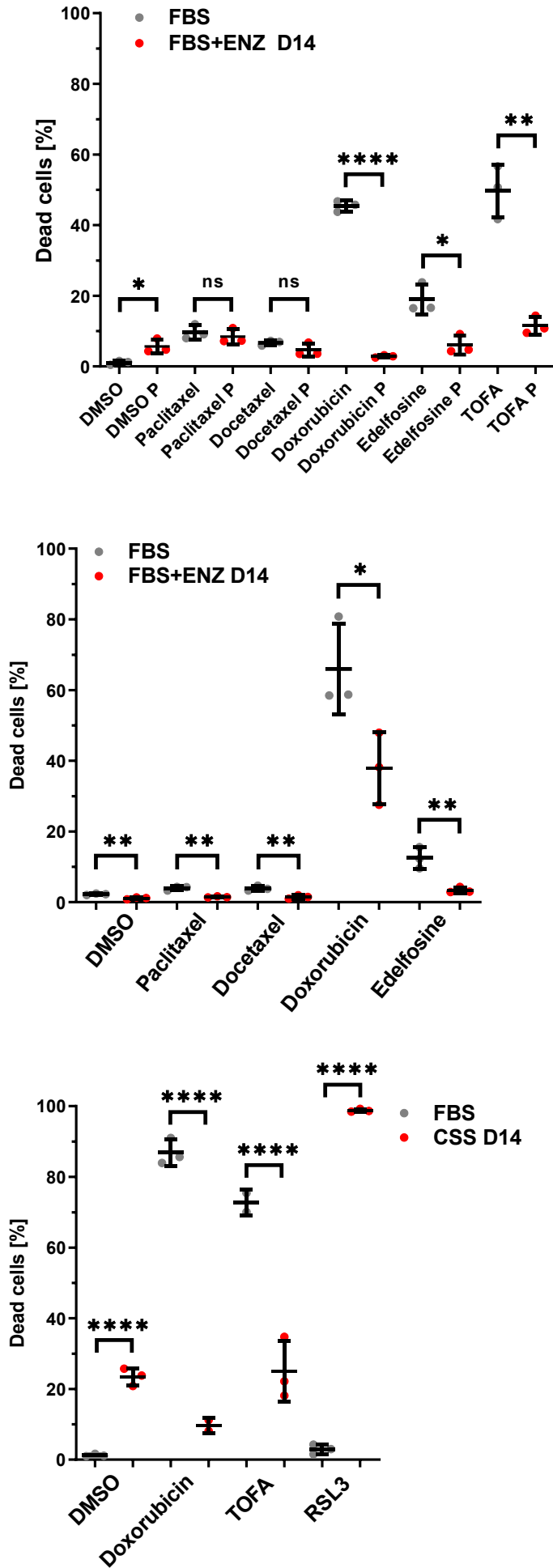


Fig S2H

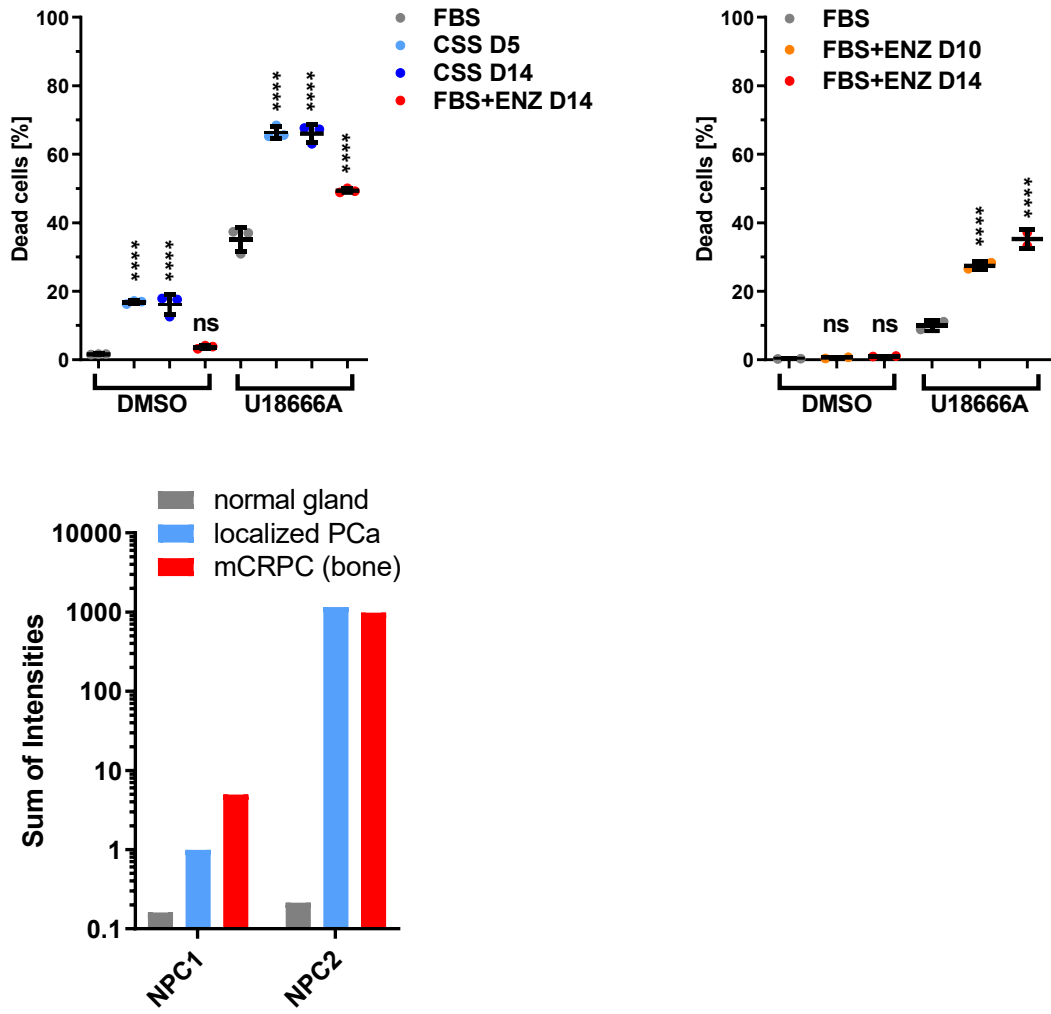


Fig S3A

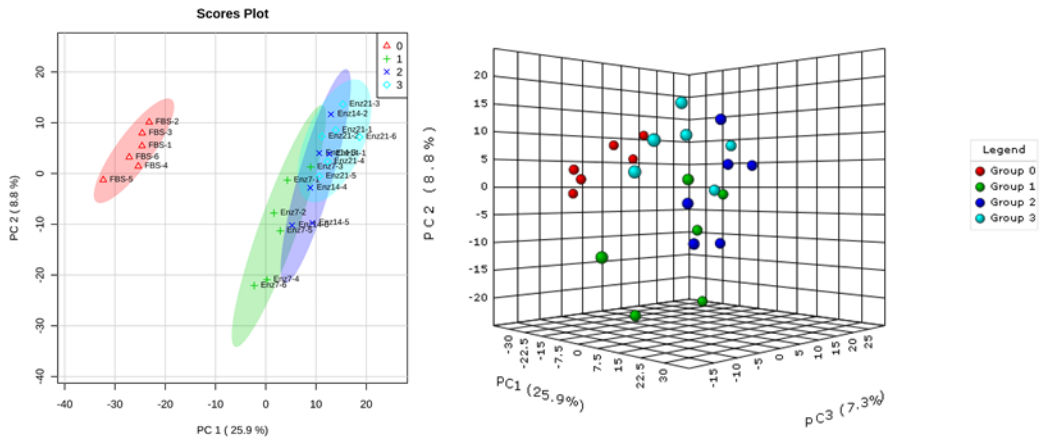


Fig S3B

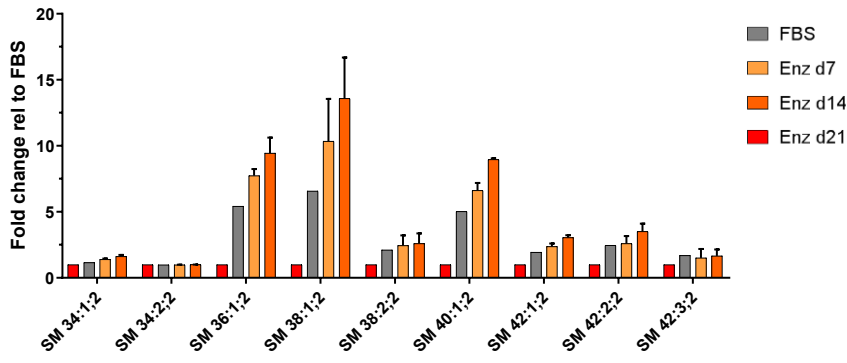


Fig S3C

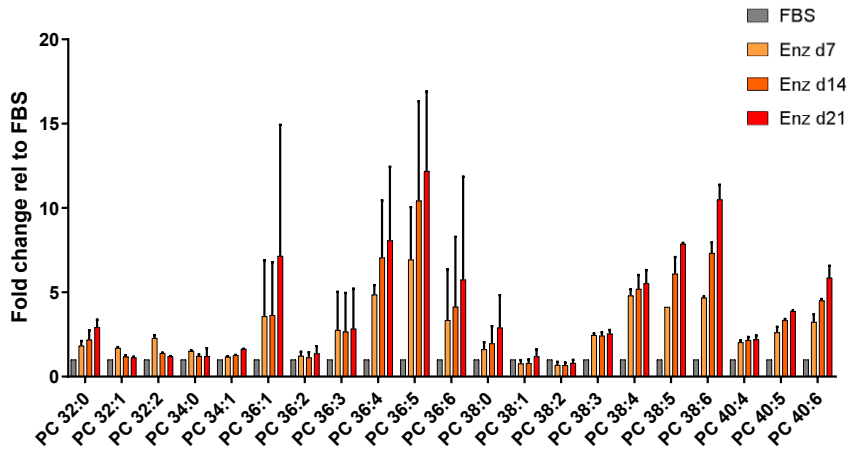


Fig S4D

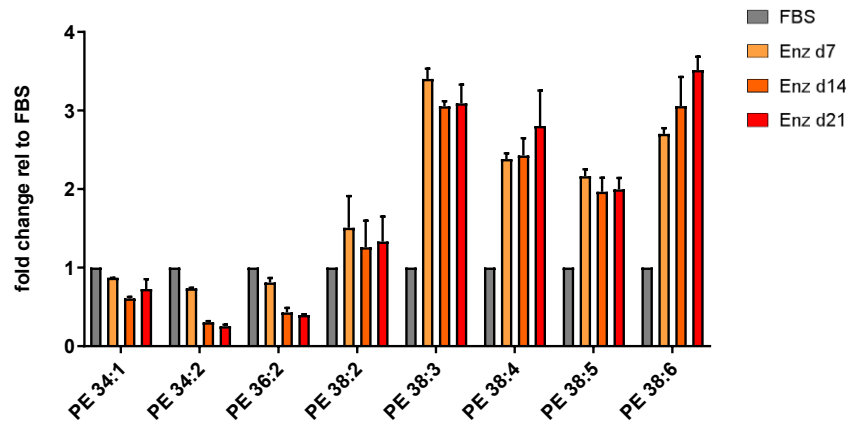


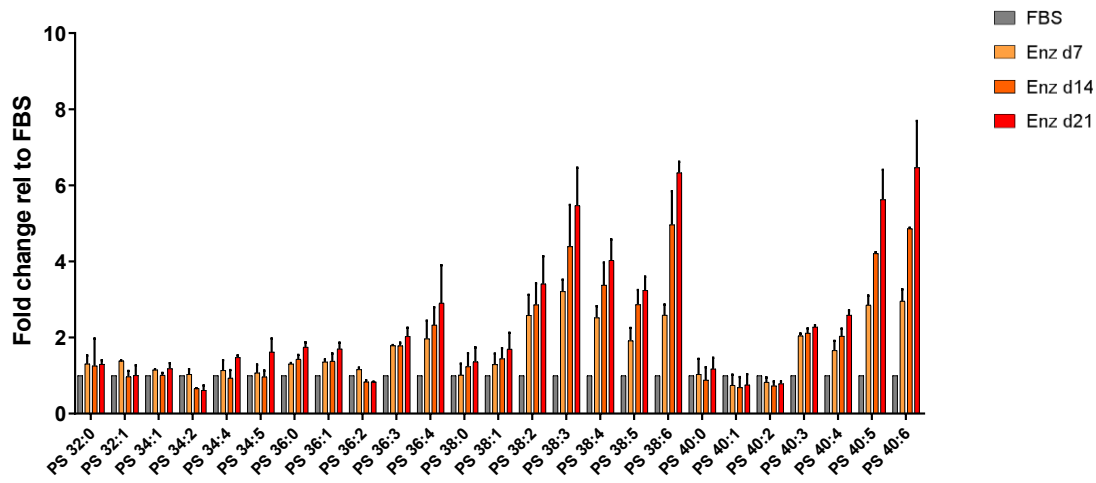
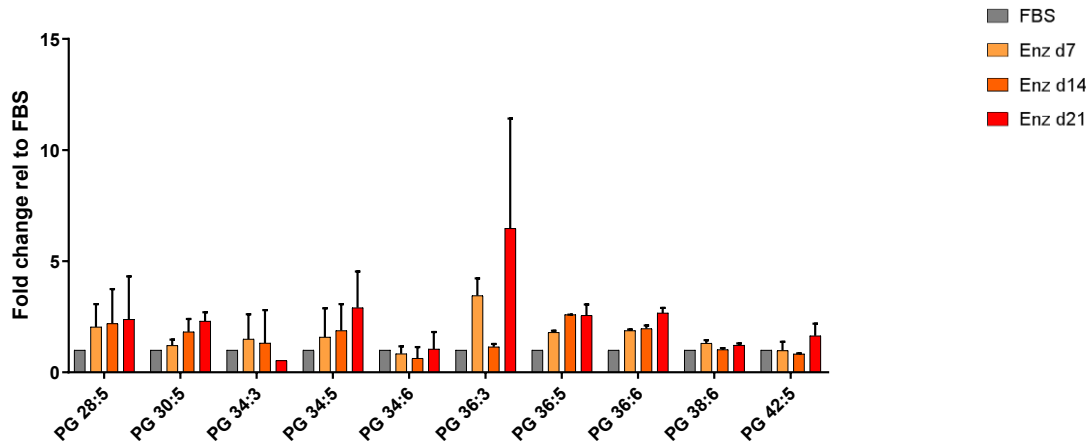
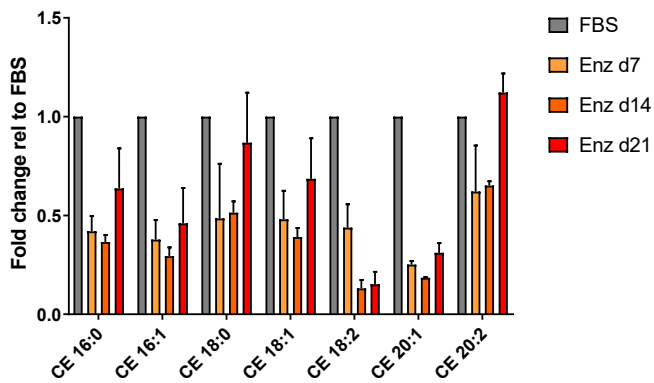
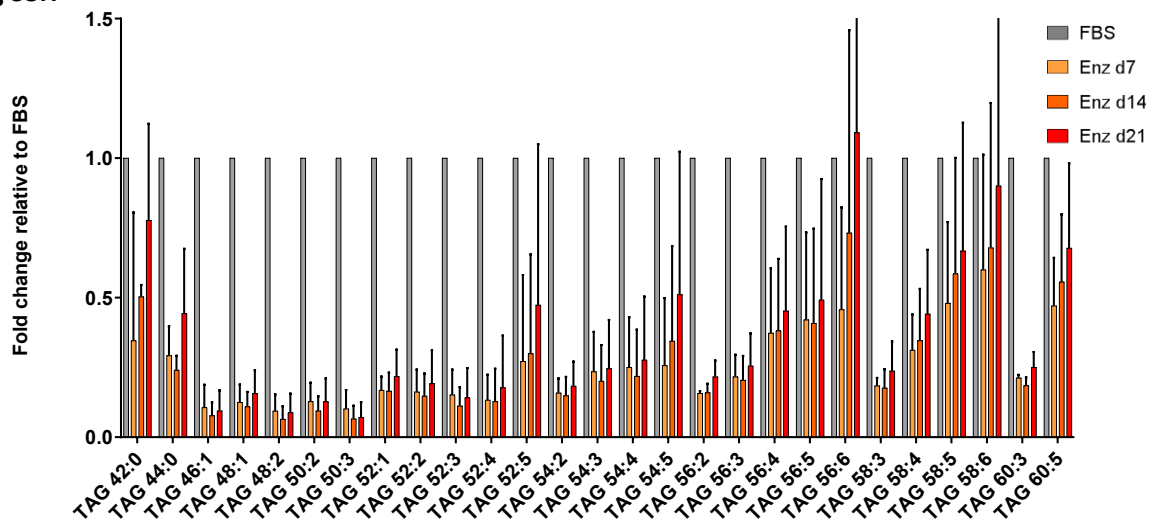
Fig S3E**Fig S3F****Fig S3G****Fig S3H**

Fig S3I

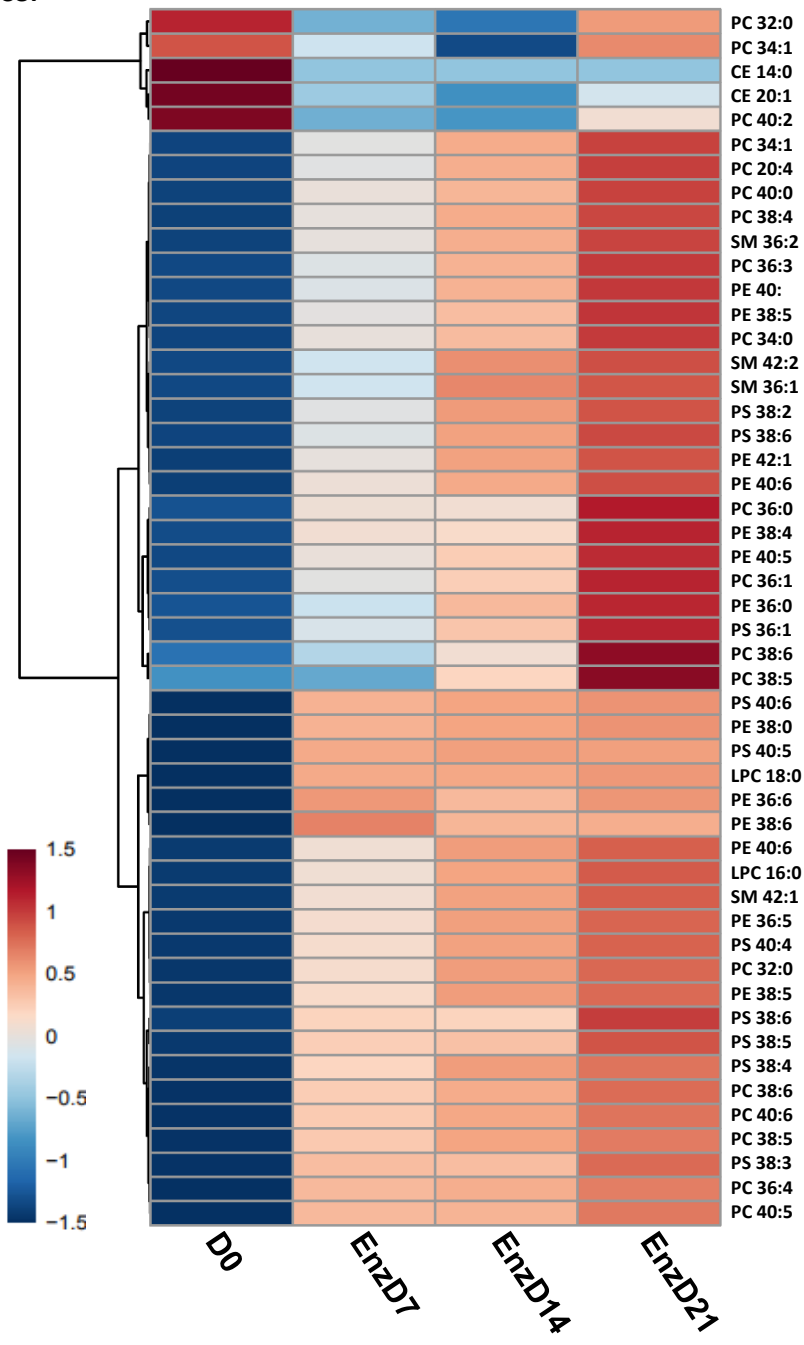


Fig S4A

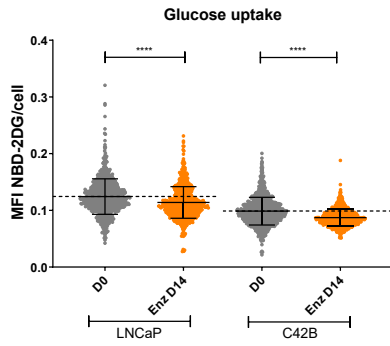


Fig S4B

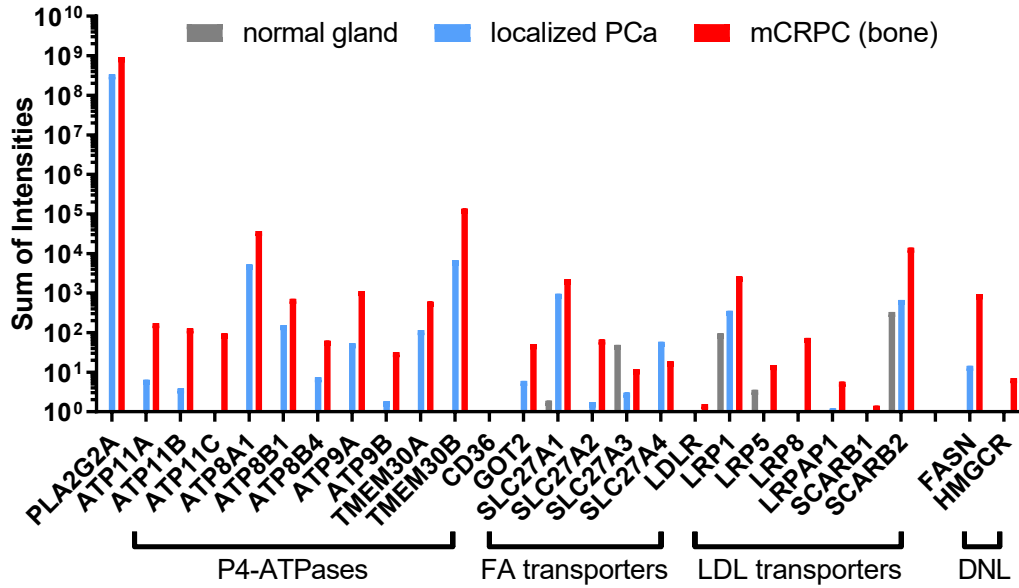


Fig S4C

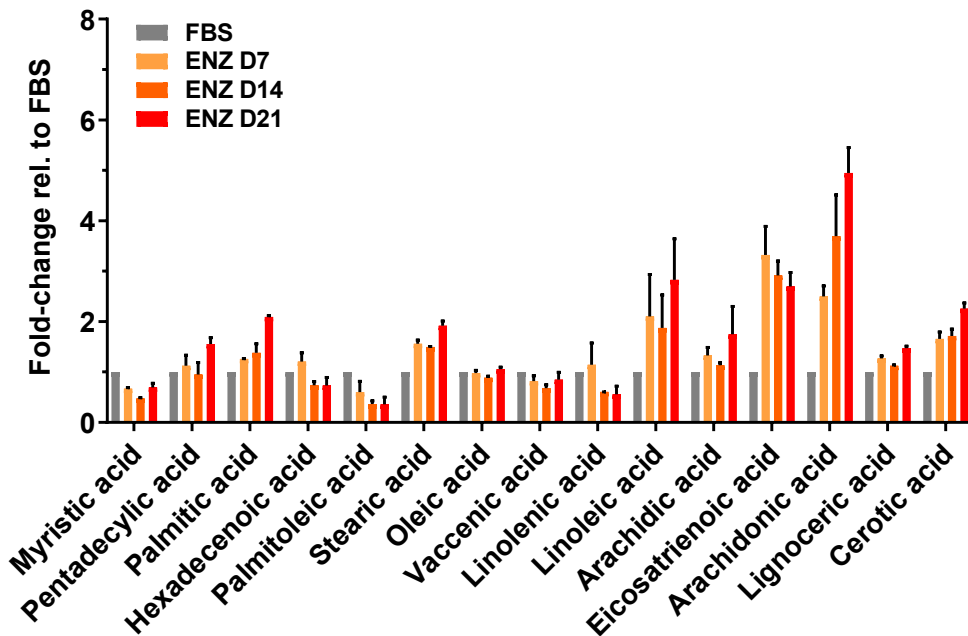


Fig S4D

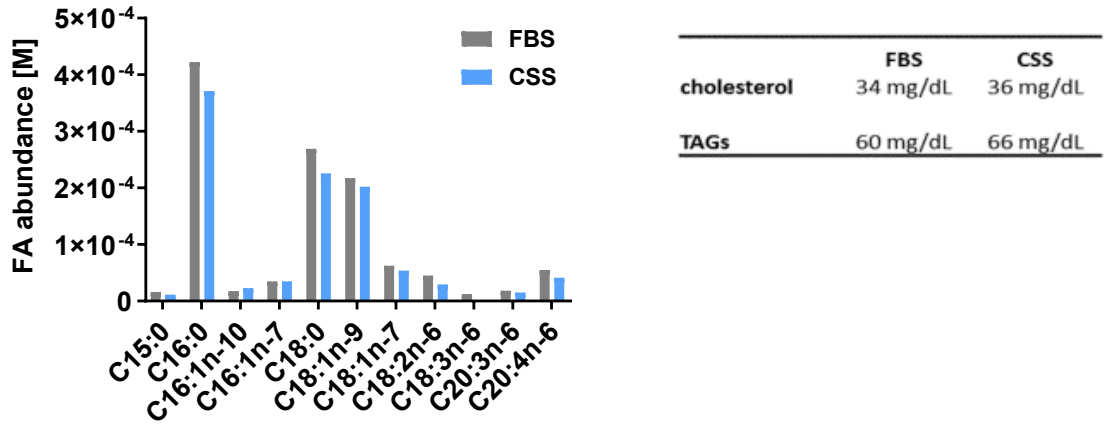


Fig S4E

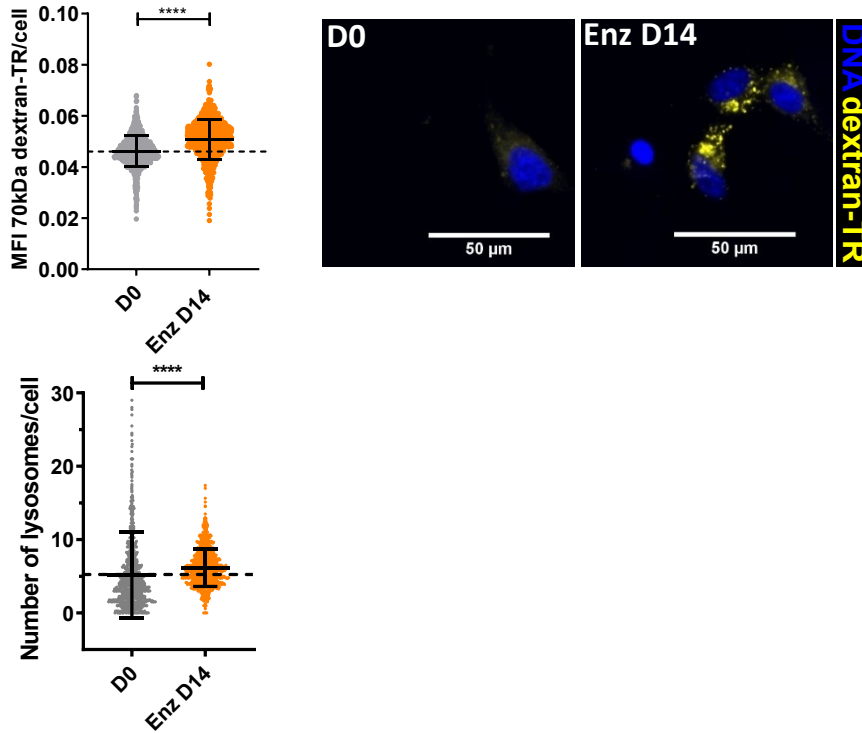


Fig S4F

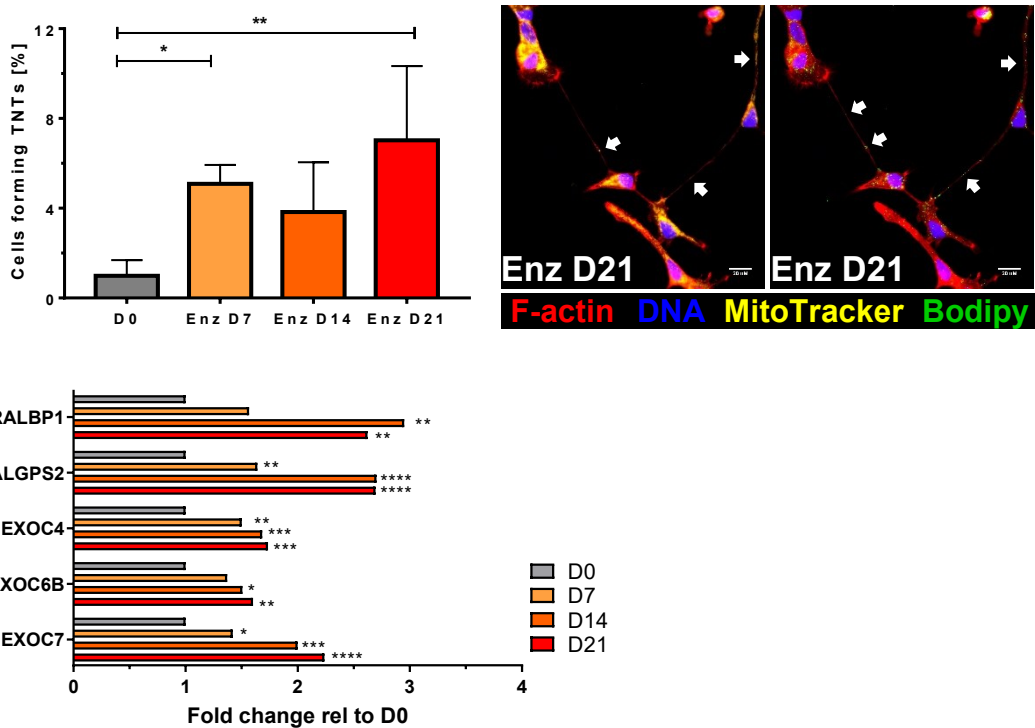


Fig S5A

KEGG pathway name	Number of genes	P-value
Arachidonic acid metabolism	13	2.34e-10
Linoleic acid metabolism	9	2.86e-10
Retinol metabolism	8	0.000011
Biosynthesis of unsaturated fatty acids	5	0.000025
Drug Metabolism	7	0.0015
Metabolism of xenobiotics	7	0.00253
Fatty acid metabolism	4	0.0267
Fatty acid elongation	3	0.0435

KEGG pathway name	Number of proteins	P-value
Biosynthesis of unsaturated fatty acids	5	3.99e-5
Glycosphingolipid biosynthesis	4	8.95e-4
Fatty acid metabolism	4	0.0062
Fatty acid elongation	1	0.0605

Fig S5B

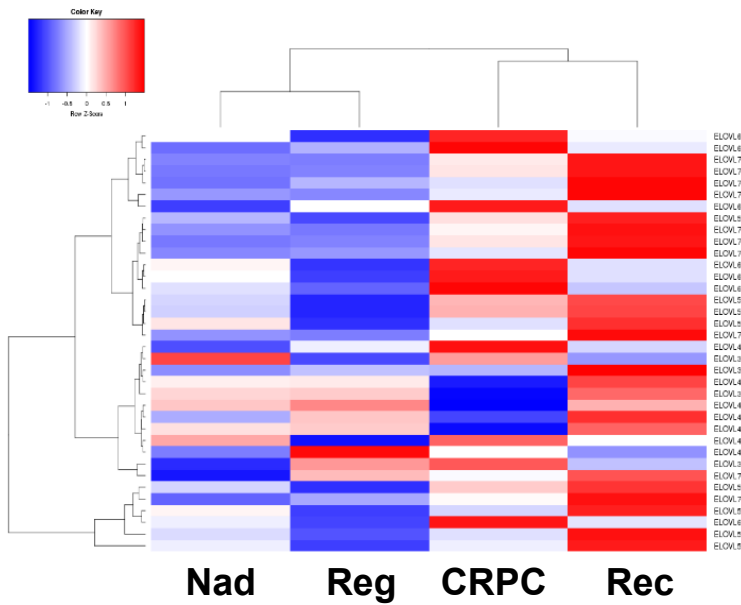


Fig S5C

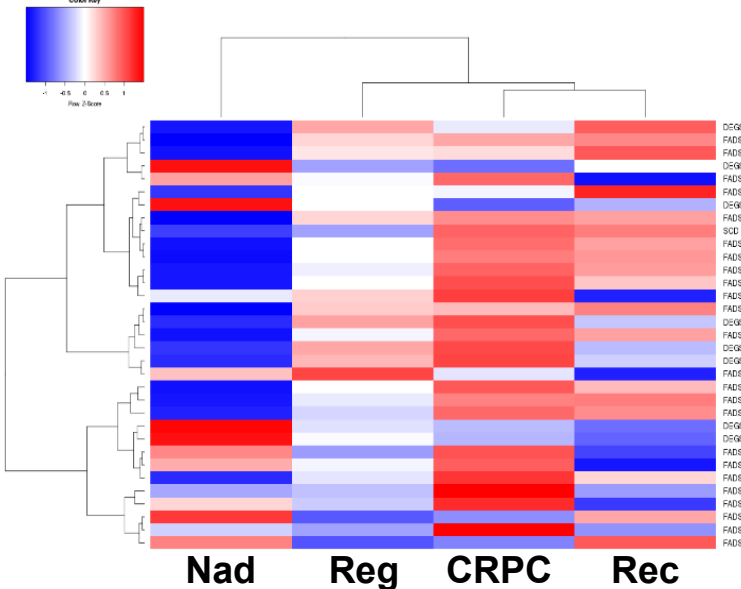


Fig S5D

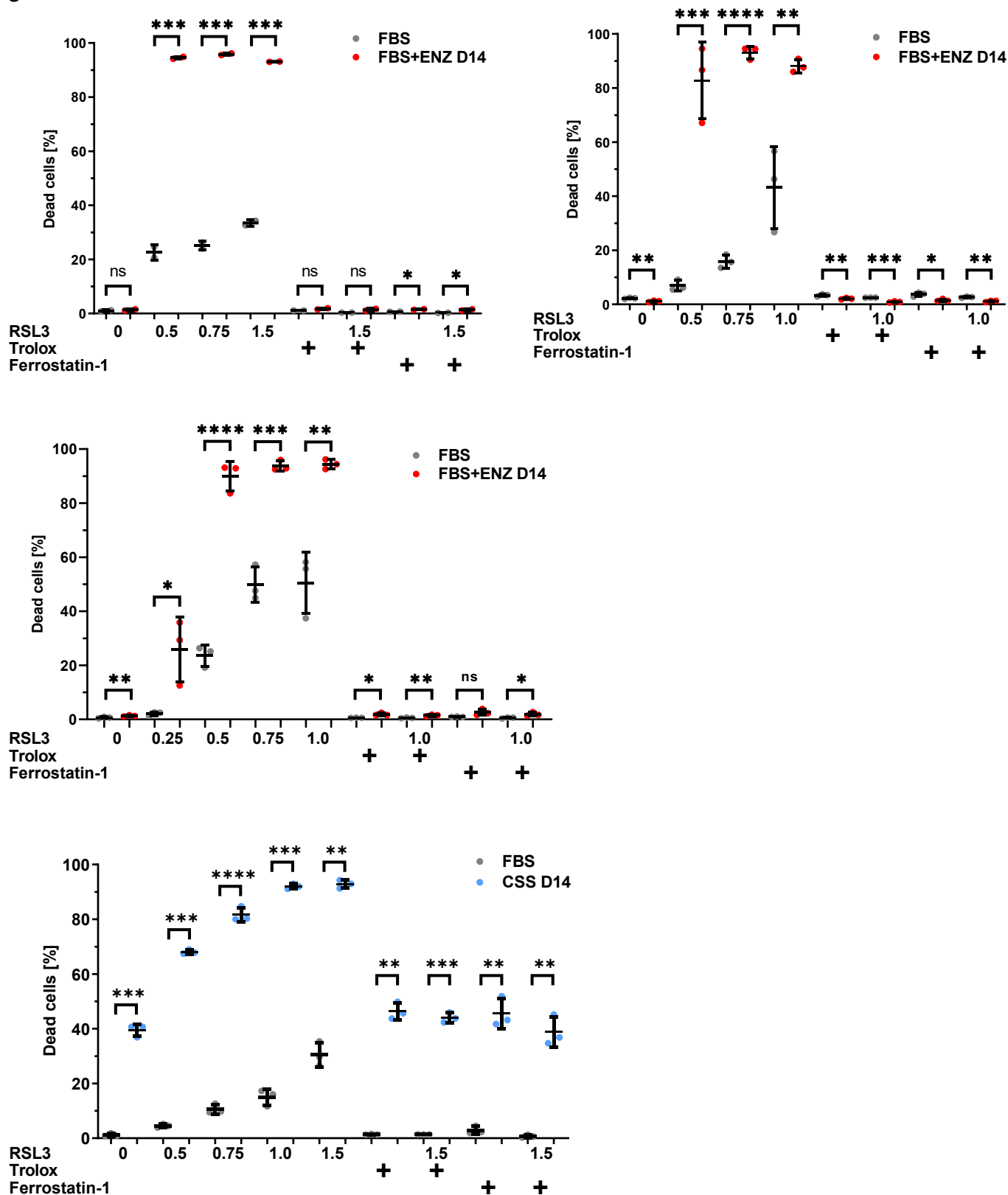


Fig S5E

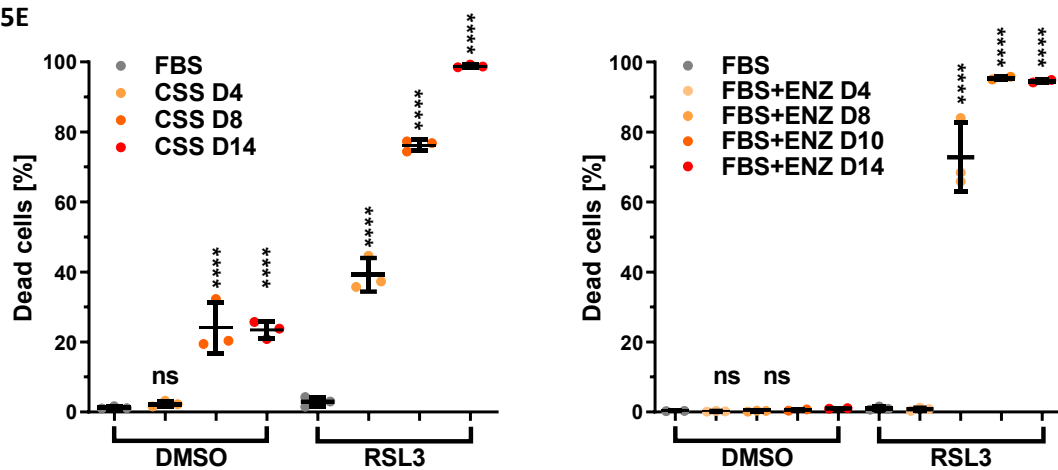


Fig S5F

Reactome pathways	# reference list	# detected	# expected	+/-	Fold Enrichment	raw P value	FDR
Selenocysteine synthesis (R-HSA-2408557)	93	51	1.48	+	34.47	1.48E-55	2.70E-53
Selenoamino acid metabolism (R-HSA-2408522)	116	51	1.85	+	27.64	1.01E-51	1.30E-49
eNOS activation (R-HSA-203615)	11	3	0.17	+	17.14	1.22E-03	2.47E-02
Metabolism of nitric oxide (R-HSA-202131)	15	3	0.24	+	12.57	2.61E-03	4.23E-02
eNOS activation and regulation (R-HSA-203765)	15	3	0.24	+	12.57	2.61E-03	4.17E-02
Cellular responses to stress (R-HSA-2262752)	393	19	6.25	+	3.04	3.01E-05	9.55E-04

Fig S5G

