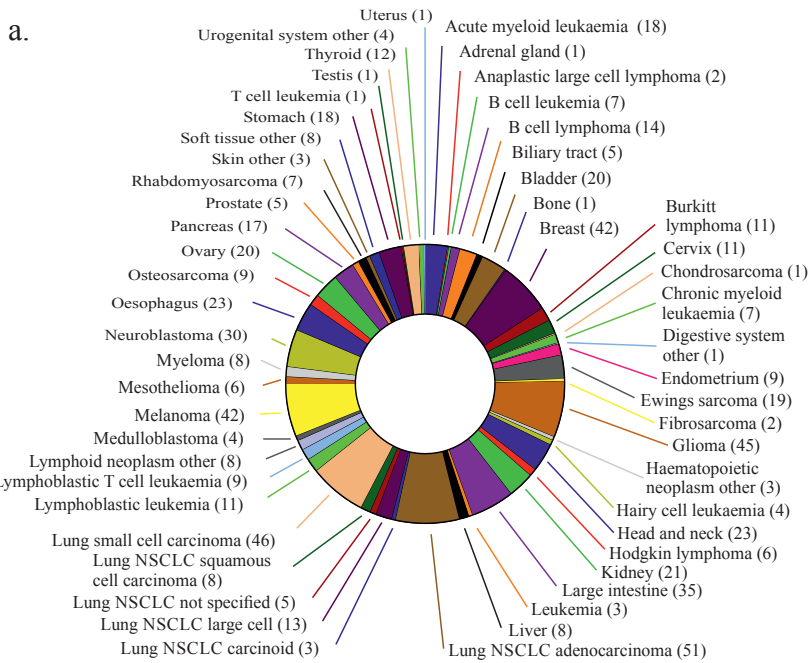


Figure 2

a.



b.

	Tissue of origin	Gene mutation status	Gene copy number variation	Gene expression	Drug response
Source	GDSC	CCLP	CCLP	CCLP	GDSP
Features	54 Tissues of origin	19426 genes	3744 genes	16444 genes	139 drugs
Level	NA	‘Mut’	‘Loss’ or ‘Gain’	“Over” or “Under”	‘Sensitive’ or ‘Resistant’

c.

Tissue of origin	Gene mutation status (Gene 1 – Gene 19426)	Gene copy number variation (Gene 1 – Gene 3744)	Gene expression (Gene 1 – Gene 1166444)	Drug response (1-139)
Breast	Normal	Normal	Over	Normal
Cervix	Normal	Normal	Under	Normal
...
Liver	Normal	Loss	Normal	Normal
Bladder	Normal	Normal	Normal	Sensitive

689 cell lines