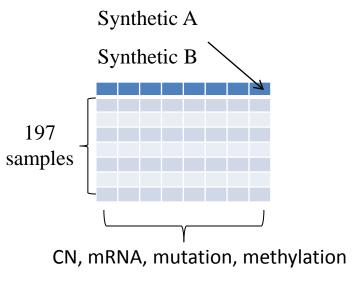
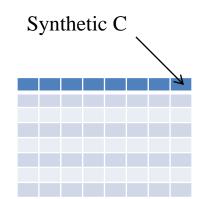
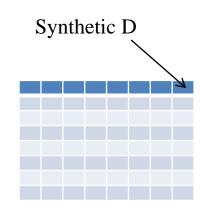
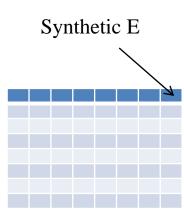
	Synthetic A	Synthetic B	Synthetic C	Synthetic D	Synthetic E
Stage	Copy Number	Copy Number	Mutation	mRNA	Methyl
Stage I	-2	0	25%	0.5	0.25
Stage II	-1	1	50%	1	0.5
Stage III	1	2	75%	1.5	0.75
Stage IV	2	2	100%	2	0.95











Elastic-net



Elastic-net



Elastic-net



Elastic-net

Rank	Genetic feature
1	Synthetic A
2	Synthetic B
3	Gene 1

Rank	Genetic feature
1	Synthetic C
2	Gene 1
3	Gene 2

Rank	Genetic feature
1	Synthetic D
2	Gene 1
3	Gene 2

Rank	Genetic feature
1	Synthetic E
2	Gene 1
3	Gene 2