

Clustering activity tables

Gene	Green	Red
james watson	0	0
francis crick	9	9
rosalind franklin	1	1
maurice wilkins	3	3
thomas morgan	4	8
alexander fleming	0	3
barbara mcclintock	1	6
john kendrew	2	1
jacques monod	4	0
leo szilárd	9	3
Total	33	34

Cluster	Genes	Green	Red	Reason

The virtual microarray

Cluster	Genes	Green	Red	Regulation
1	james watson	0	0	identical
	francis crick	9	9	identical
	rosalind franklin	1	1	identical
	maurice wilkins	3	3	identical
2	thomas morgan	4	8	2-fold up regulation
	barbara mcclintock	1	6	6-fold up regulation
3	jacques monod	4	0	disappearing
	alexander fleming	0	3	appearing
4	leo szilárd	9	3	3-fold down regulation
	john kendrew	2	1	2-fold down regulation

Cluster	Gene	Green	Red	Result
A	james watson	0	0	no regulation
	francis crick	9	9	no regulation
	rosalind franklin	1	1	no regulation
	maurice wilkins	3	3	no regulation
B	thomas morgan	4	8	2-fold up regulation
	barbara mcclintock	1	6	6-fold up regulation
	alexander fleming	0	3	Up regulation
C	leo szilárd	9	3	3-fold down regulation
	john kendrew	2	1	2-fold down regulation
	jacques monod	4	0	Down regulation