

Q3_3\$log_10_negative	1			• 2	14 4 6 1512 11	3	
Questio what is find the second of the seco	-0.3 the volcano plot the standard plot the standard plot the standard plot the standard plot their mean fold change? b	from parts a/c but sa 1	mple 50000 rows emple 50000 rows emple 50000 rows emple 50000 rows emple 500 52 54 50 52 54 50 52 54 50 52 54 50 52 54 50 52 50 52 56 50 52 56 50 52 56 509 58 505 536 492 516 509 488 513 523 483 487 967 994 990 993 969 1481 1512 1526 1512 1518 2212 2260 2268 2261 2251 2509 2514 2508 2488 2495 25051 4944 4931 5125 4919 5181 5269 5290 5158 5185 6940 6922 6871 6923 6953 7480 7574 7579 7444 7509 12463 12398 12371 12459 12517	datal_mean data2_mean 103.0 400.4 498.9 1003.0 498.9 1003.0 498.8 495.1 1003.0 2011.7 2245.2 24	m each file. Which gene mean_foldchange log2_foldchange gene_	_p_values significant log_10 _p_values significant log_10 _significant log_10 _signifi	_negative _22764854 _41287799 _53606172 _09012417 _44211699 _44047900 _65428869 _55071718 _42317694 _28442708 _13526203 _66334105 _14675870 _43321751 _06187576
_3\$log_10_n			* 15 * 8	each file			
Questio address Ans:	-0.15 -0.10 3f, In the volcano plot on 3g. Now examine the complete replicates and the size of the	Q3_3\$log2_foldchall the statistical lete files: compare the random sample.	nge ly significant			samples making s	ure to
3 10 4 10 5 10 6 20 7 30 8 40 9 50 10 70 11 100 12 100 13 140 14 150 15 260 > Compar Here t Almost This s Compar Here t in the The ze This s but do Compar	100 1600 0.60000000 000 1000 1000 0.00000000 000 2000 0.00000000 000 3000 0.000000000 000	0.068039994 0.000000000 0.000000000 0.000000000 0.000000	complete file a data are greate ne false positi for each file plete file were ne8, gene12 and e though gave l positive, ninficant.	er than the ve signification v/s the content of the	e complete data. cant genes mplete file) to the fold change valuer fold changes. egnificant fold changes.		son
Here t genes This s	he sampling fold change with zero fold change in	values were very n the complete fi sampling data (ely gives all the le size the accur-	much similar teles gave very lealmost in power genes with a seacy of fold cha	to the complittle folds: 10^ -3) ignificant	elete files. I change I fold change.		