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<|start\\_header\\_id|> system <|end\\_header\\_id|> Cutting Knowledge Date: December 2023 Today Date: 18 Apr 2025 <|eot\\_id|> <|start\\_header\\_id|> user

<|end\\_header\\_id|> Refer to the provided table and answer the question. Question: Which dataset has

the most number of genes?. Table: \{"table\\_title":

Table 5, "table\\_caption": Random data

simulations of real data sets. This table compares the results found from the real data (Real column)

to two different types of random data. The Random column contains the experimentally determined

largest number of pairs found from 10 simulation runs using a random data matrix (drawn from a

uniform distribution) where the number of genes and class sizes is the same as the indicated for

the real data. The Label Shuffled column contains the experimentally determined largest number of

pairs found from 30 simulation runs where the class labels were randomly shuffled. In the samples

column, the number in parenthesis is the number of positive samples. The numbers after the slash

are the number of single genes found. Label shuffling leads to more pairs found "by chance" only

for the smaller data sets. The small data sets have large numbers of pairs expected "by chance"., "

table\\_headers": ['Data set', 'Samples', 'Genes', 'Real', 'Random', 'Label Shuffled'], "table\\_sub

headers": [], "table\\_rows": [['GIST', '19(6)', '1987', '137981/74', '2706/0', '4622/2'], ['Bre

astBRCA(brca1 vs brca2)', '15(7)', '3226', '143574/18', '20563/2', '53900/11'], ['Breast

BRCA(brca1 \& brca2 vs Sporadic)', '22(7)', '3226', '2114/0', '1286/1', '0/0'], ['Cutaneous

', '38(7)', '3613', '596/0', '62/0', '24/0'], ['LungStanford', '52(13)', '918', '486/2', '0/0', '0/0'], ['LungBeer', '96(10)', '4966', '22102/5

', '0/0', '0/0'], ['Prostate', '34(9)', '3958', '249662/52', '57/0', '13/0']], "table\\_footnote":

None\}. <|eot\\_id|> <|start\\_header\\_id|> assistant <|end\\_header\\_id|>