

GEPIS Analysis Report

GEPIS Team, Genentech Inc.

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Part I

GEPIS result table

Normal: EST Hits from normal library;

NorTotal: Total EST counts from normal library;

Tumor: EST Hits from cancer library;

TumTotal: Total EST counts from cancer library;

Nor-DEL: DEL level in normal state;

Tum-DEL: DEL level in cancer state;

DEL: digital expression level, normalized EST counts per million total;

Tum/Nor: Tum-DEL/Nor-DEL;

T/N ztest: ztest P value, showing the statistical significance of the Tum-DEL/Nor-DEL value;

Tiss. Spec. ztest: ztest P value, showing the statistical significance of Nor-DEL/other organ's Nor-DEL.

GEPIS RESULT									
Organs	Normal	NorTotal	Tumor	TumTotal	Nor-DEL	Tum-DEL	Tum/Nor	T/N ztest	Tiss Spec ztest
ADIPOSE	0	11724	0	1607	0.00	0.00	1.00	1	1
ADRENAL	0	9521	0	12759	0.00	0.00	1.00	1	1
BONE	0	13503	0	26071	0.00	0.00	1.00	1	1
BONE_MARROW	0	20231	0	28264	0.00	0.00	1.00	1	1
BRAIN	0	206404	0	134246	0.00	0.00	1.00	1	1
BREAST	1	61159	21	105705	16.35	198.67	12.15	8.88e-4	1.00e+0
CARTILAGE	0	5673	0	18549	0.00	0.00	1.00	1	1
CERVIX	0	0	0	32785	0	0.00	1.00	1	1
COLON	12	23185	99	153784	517.58	643.76	1.24	2.37e-1	6.70e-3
ESOPHAGUS	0	87	0	3618	0.00	0.00	1.00	1	N/A
EYE	0	28703	0	48858	0.00	0.00	1.00	1	1
GENITOURINARY	0	1441	1	36390	0.00	27.48	0.12	4.21e-1	10.00e-1
GERM_CELL	0	0	0	5254	0	0.00	1.00	1	N/A
GLTRACT	0	791	0	14486	0.00	0.00	1.00	1	1
HEAD_N_NECK	4	40123	2	89953	99.69	22.23	0.22	9.71e-1	1.00e+0
HEART	0	7541	0	0	0.00	0	1.00	1	N/A
KIDNEY	0	12973	3	66128	0.00	45.37	1.37	2.21e-1	1.00e+0
LIVER	0	40669	0	71341	0.00	0.00	1.00	1	1
LUNG	7	46987	6	122150	148.98	49.12	0.33	9.82e-1	1.00e+0
LYMPHORETICULAR	0	40308	22	75594	0.00	291.03	23.99	3.07e-4	1.00e+0
LYMPH_NODE	0	44156	0	52731	0.00	0.00	1.00	1	1
MUSCLE	0	30647	0	40214	0.00	0.00	1.00	1	1
NERVOUS	0	9909	0	30559	0.00	0.00	1.00	1	1
OVARY	0	5404	0	93546	0.00	0.00	1.00	1	1
PANCREAS	2	70784	63	81321	28.25	774.71	27.42	1.06e-12	9.93e-1
PERIPHERAL_NERV	0	28782	0	1158	0.00	0.00	1.00	1	1
PINEAL_GLAND	0	8068	0	0	0.00	0	1.00	1	N/A
PITUITARY_GLAND	0	16353	0	1551	0.00	0.00	1.00	1	1
PLACENTA	0	131324	0	42992	0.00	0.00	1.00	1	1
PROSTATE	0	37143	0	61750	0.00	0.00	1.00	1	1
RETINA	0	35223	0	0	0.00	0	1.00	1	1
SALIVARY_GLAND	0	353	1	20009	0.00	49.98	0.05	4.47e-1	9.99e-1
SKIN	1	34661	0	134792	28.85	0.00	0.00	9.76e-1	10.00e-1
SOFT_TISSUE	0	315	0	7631	0.00	0.00	1.00	1	N/A
SPLEEN	0	12348	0	0	0.00	0	1.00	1	1
STOMACH	0	22575	42	119130	0.00	352.56	16.11	2.39e-3	10.00e-1
SYNOVIUM	0	278	0	1554	0.00	0.00	1.00	1	N/A
TESTIS	2	42383	0	43383	47.19	0.00	0.00	9.24e-1	1.00e+0
THYMUS	0	1521	0	141	0.00	0.00	1.00	1	N/A
THYROID	0	4995	0	4018	0.00	0.00	1.00	1	N/A
UTERUS	0	5045	0	152358	0.00	0.00	1.00	1	1
VASCULAR	0	29816	0	0	0.00	0	1.00	1	1
WBC	0	1311	0	785	0.00	0.00	1.00	1	N/A

Part II

Gene Expression Profile

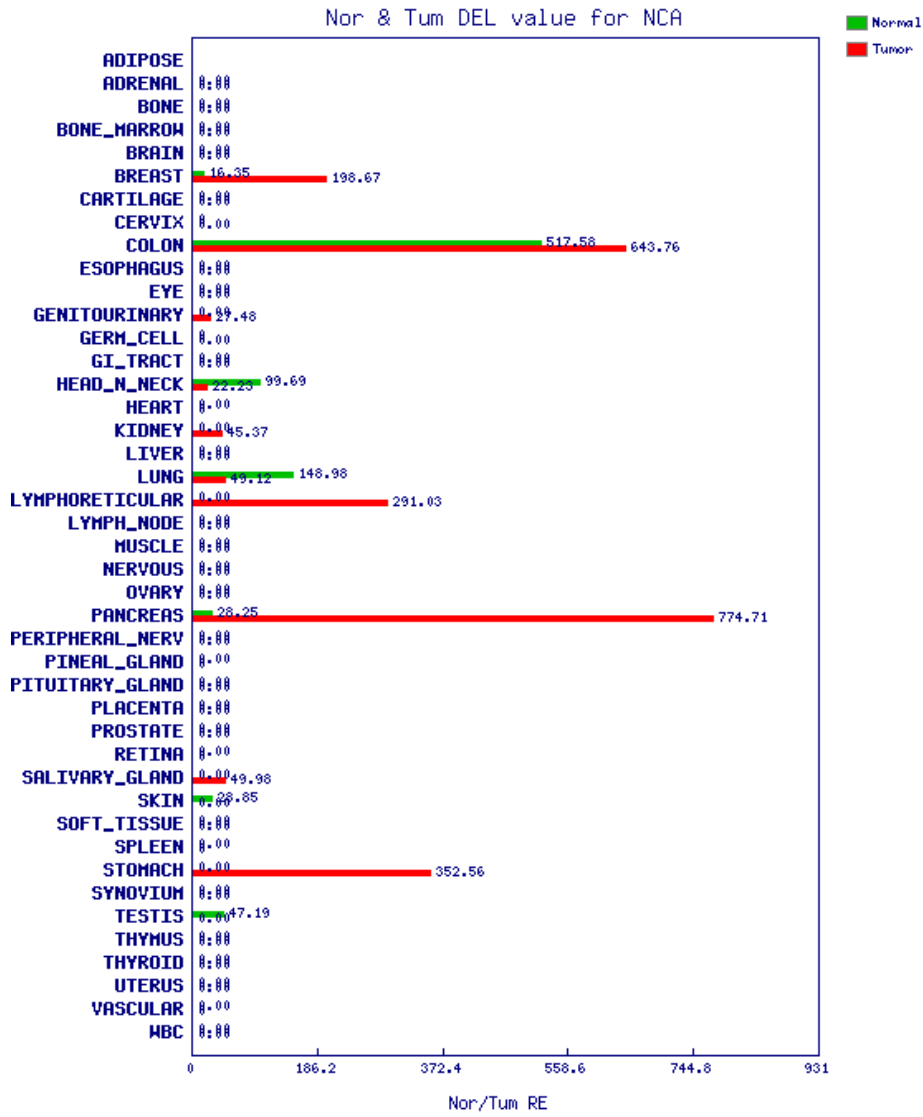


Figure 1: Tissue Profiling

Part III

Regional Gepis Atlas

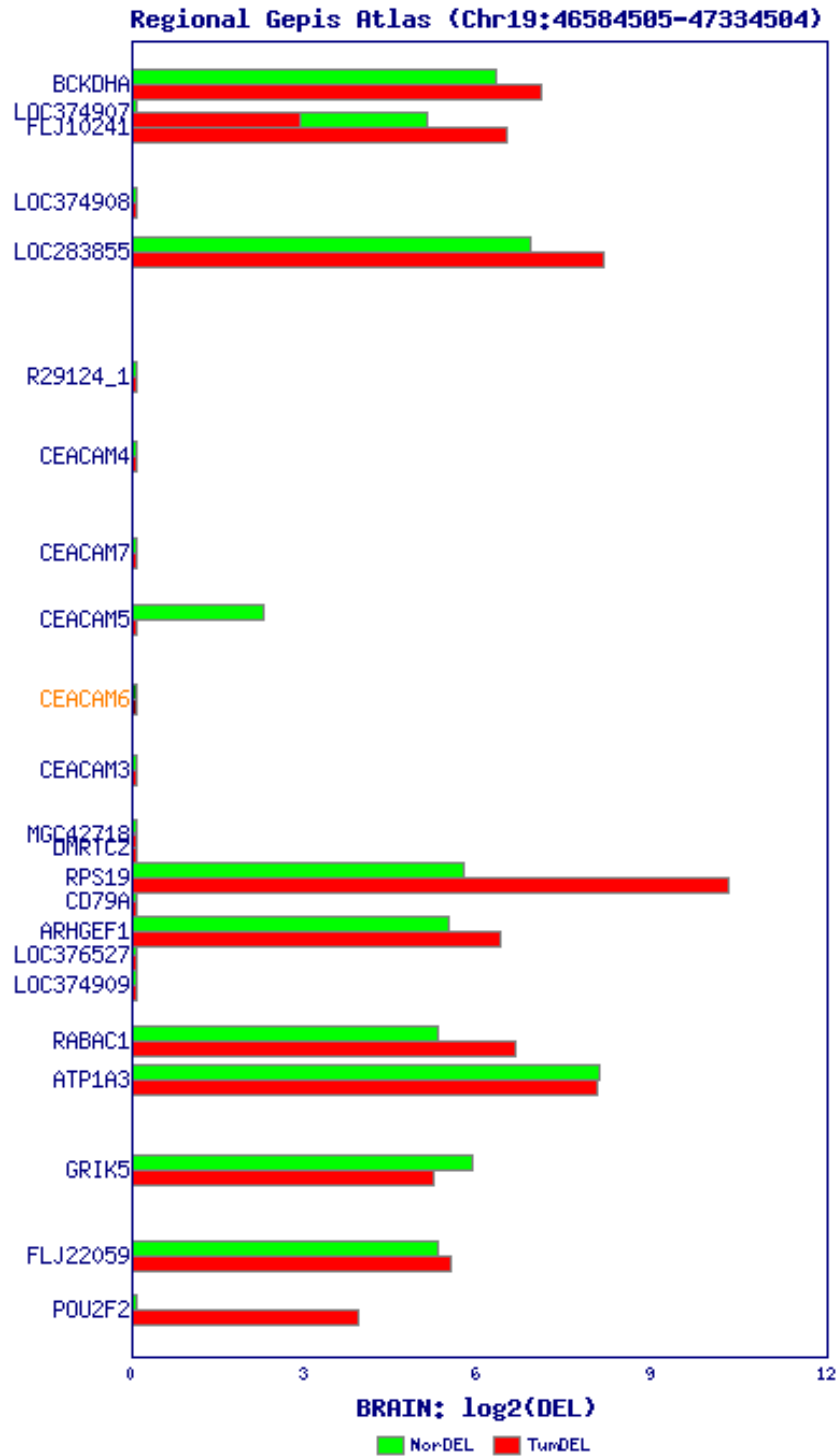


Figure 2: Regional Gepis Altas for BRAIN

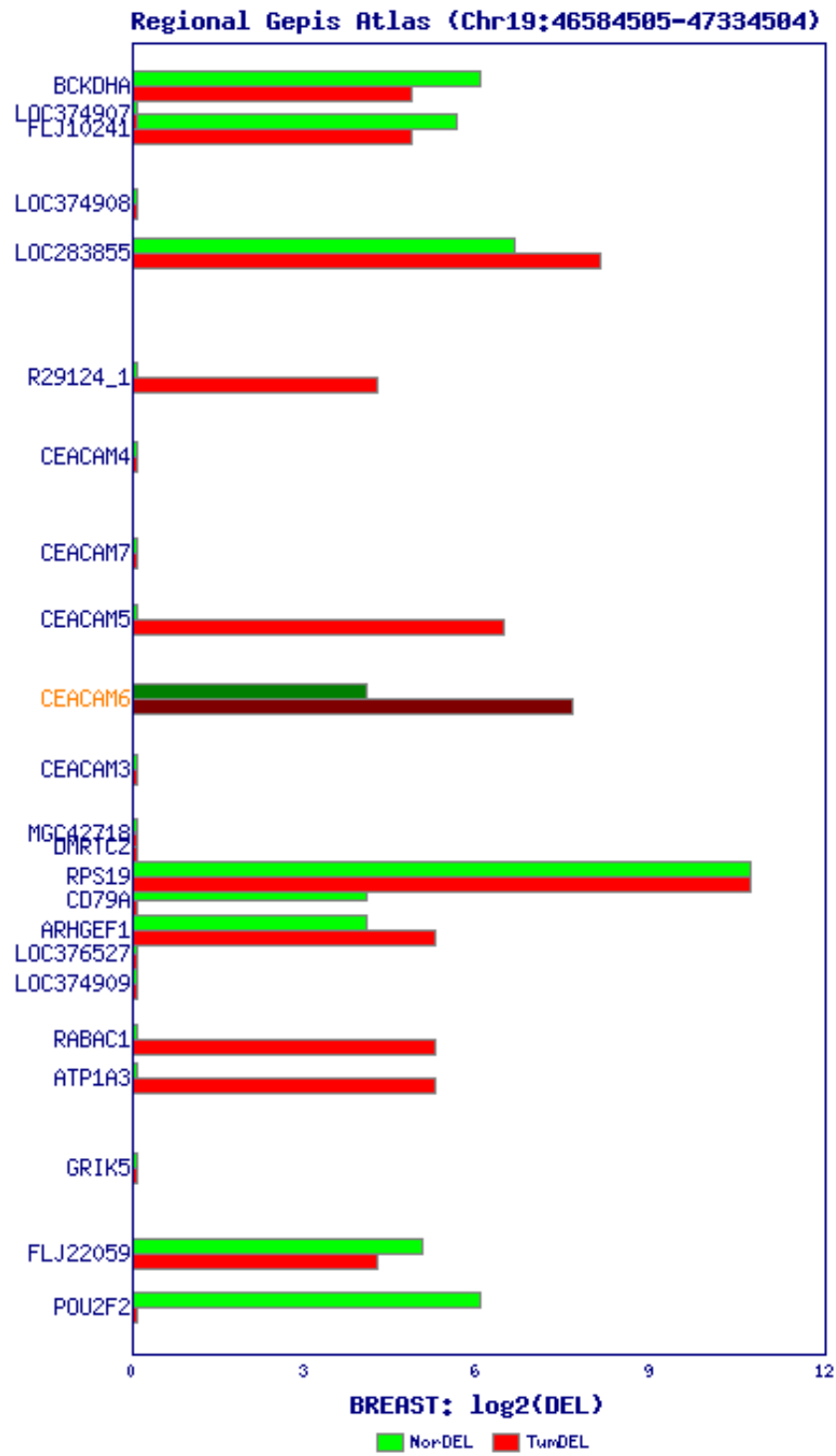


Figure 3: Regional Gepis Altas for BREAST

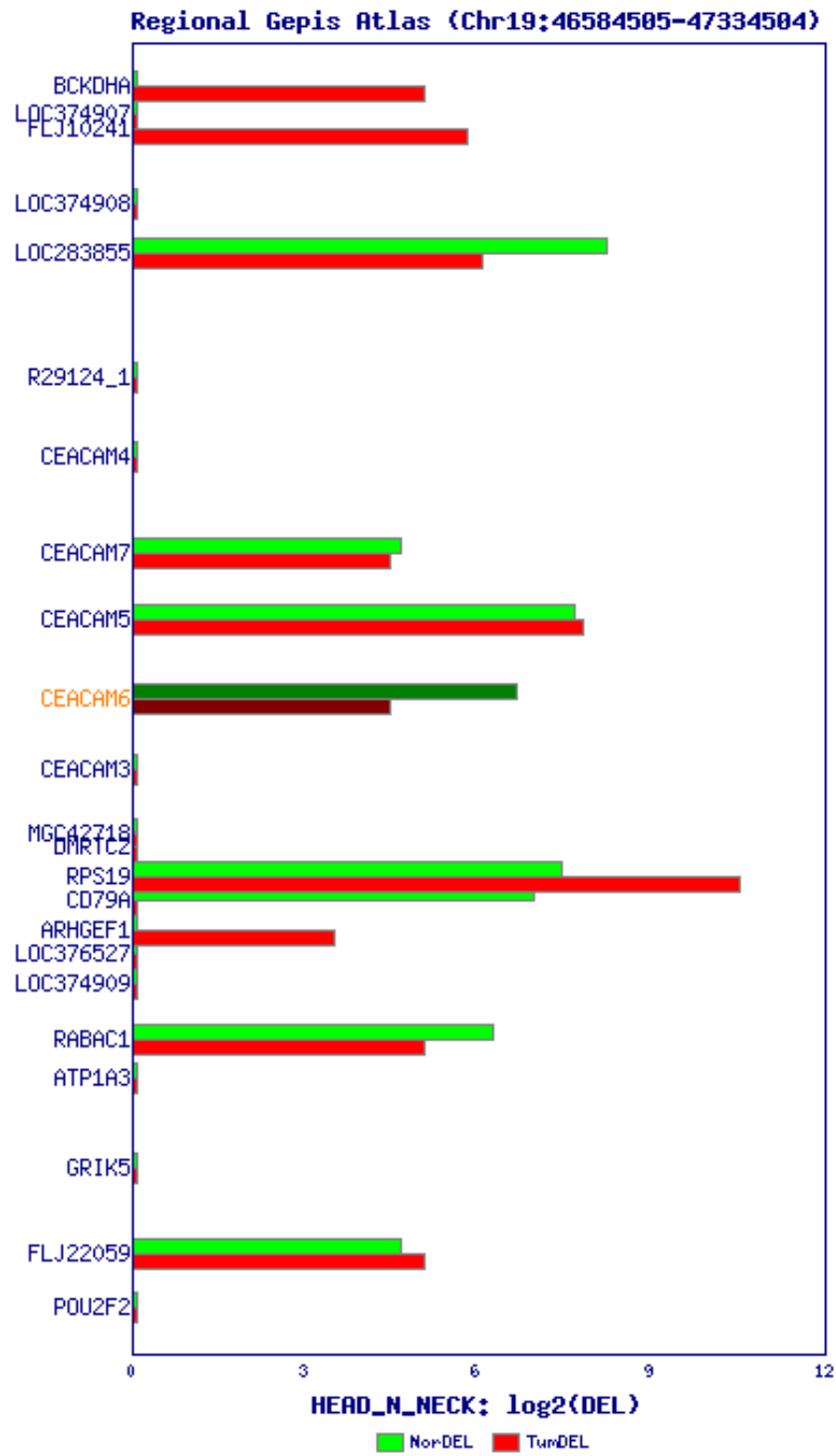


Figure 4: Regional Gepis Atlas for HEAD_N_NECK

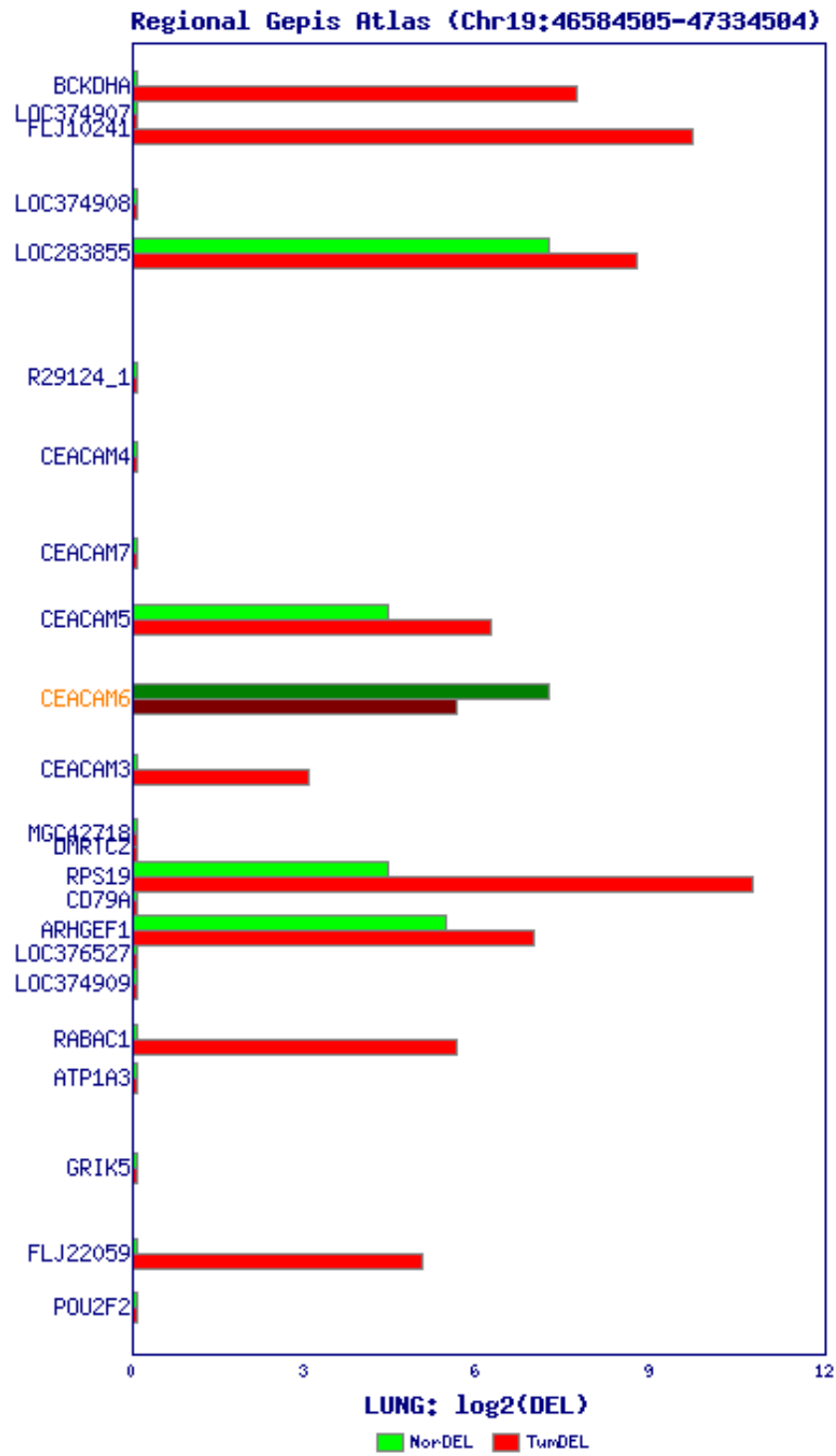


Figure 5: Regional Gepis Atlas for LUNG

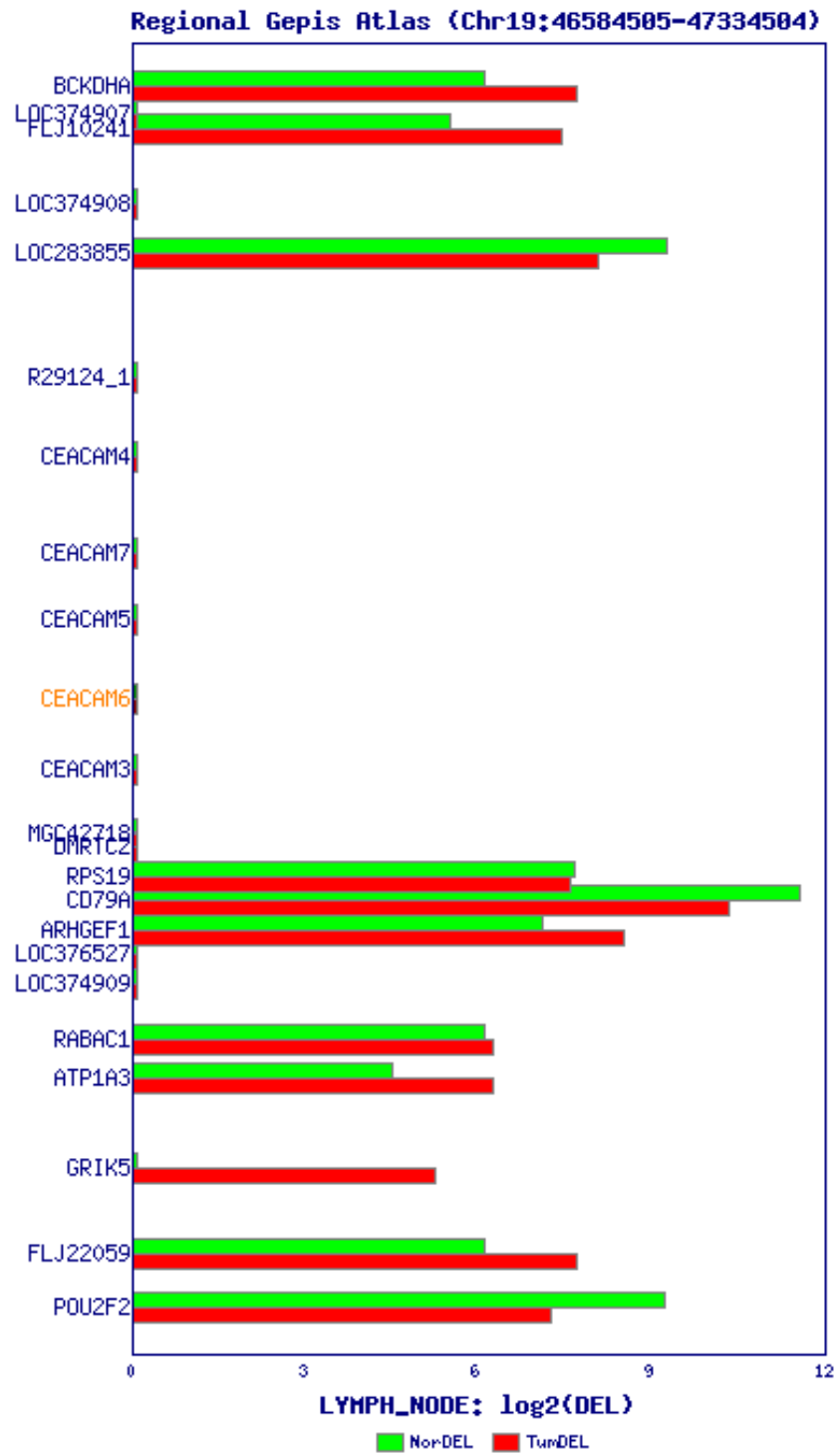


Figure 6: Regional Gepis Atlas for LYMPH_NODE

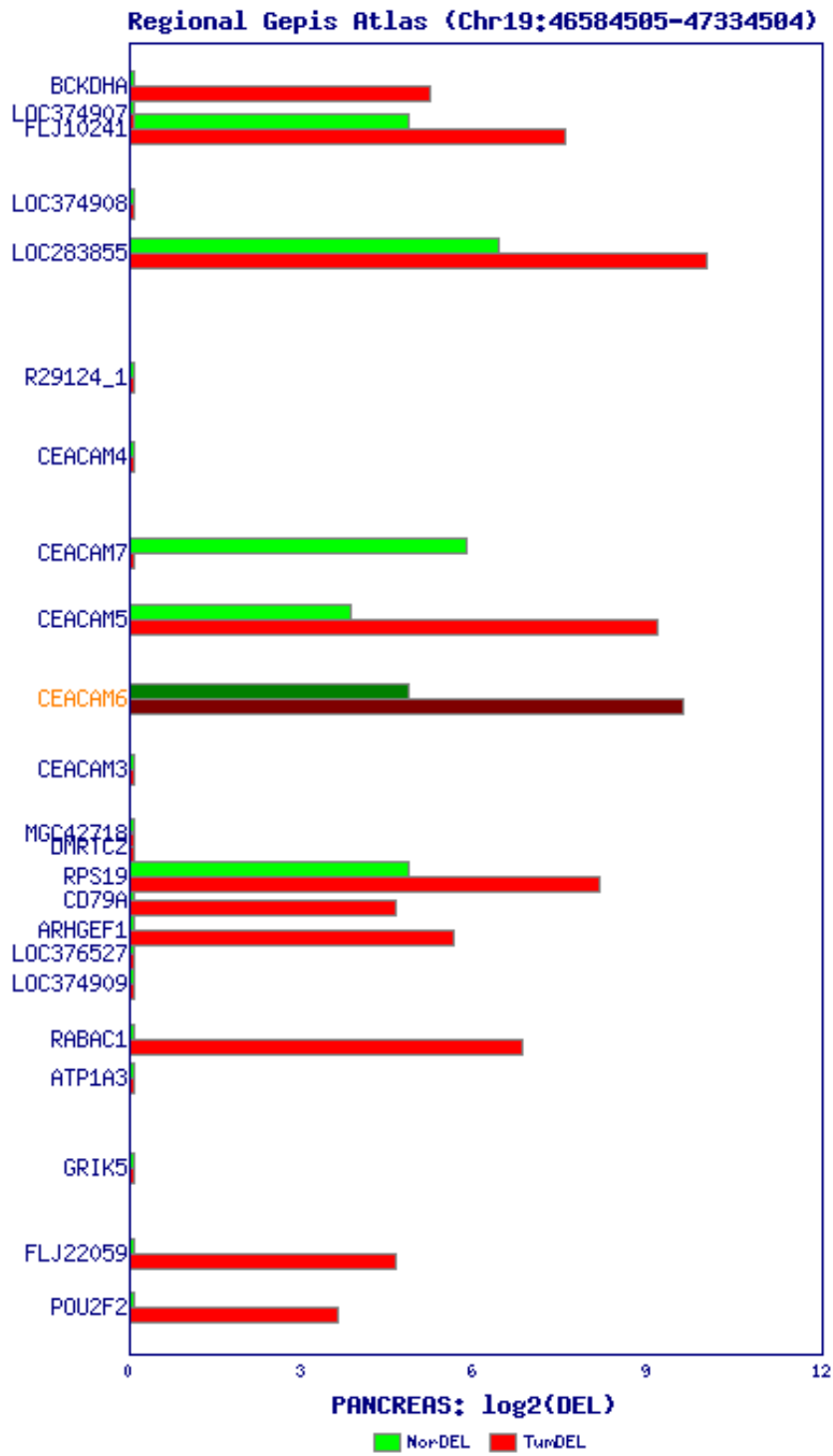


Figure 7: Regional Gepis Atlas for PANCREAS

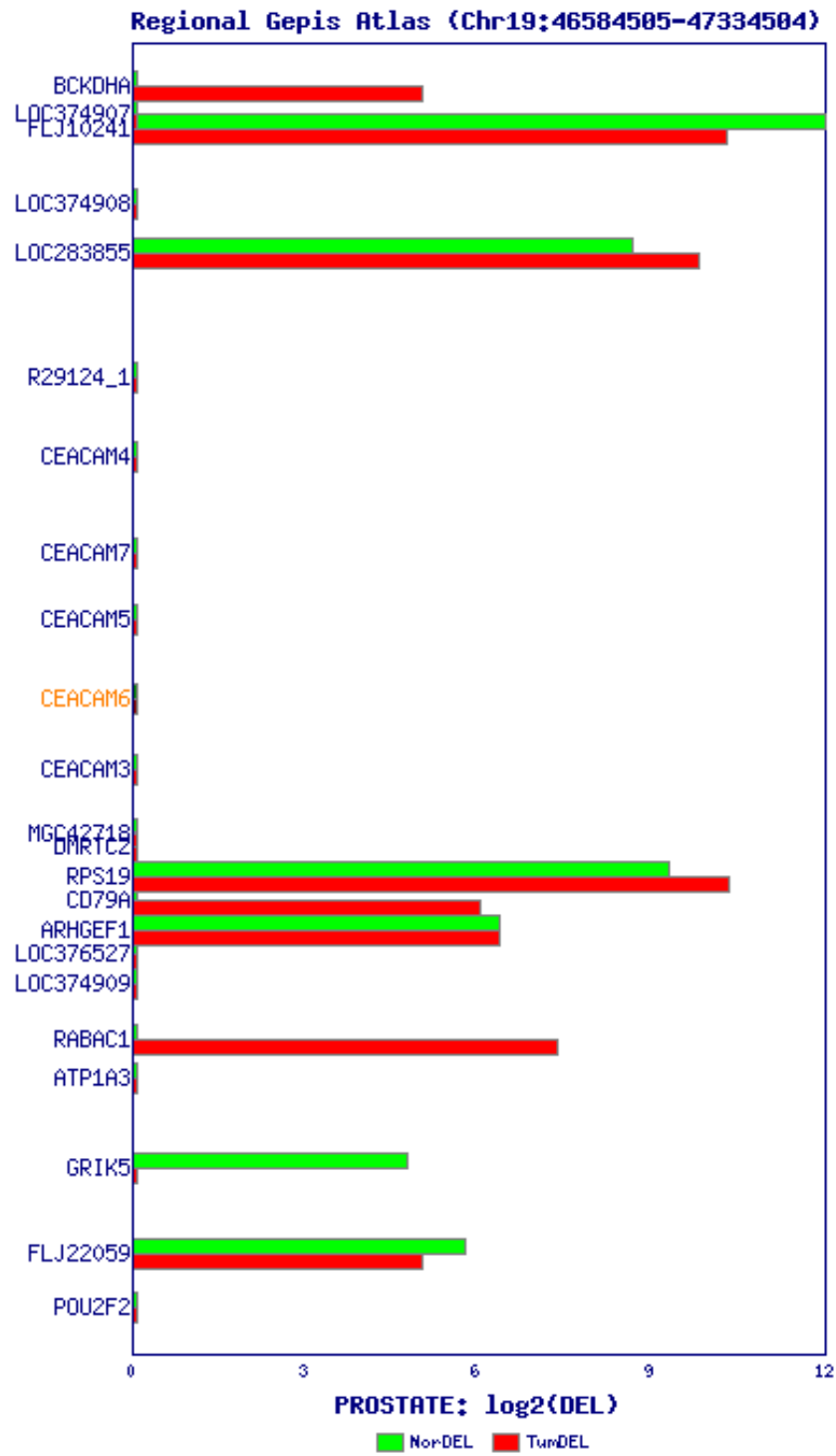


Figure 8: Regional Gepis Altas for PROSTATE

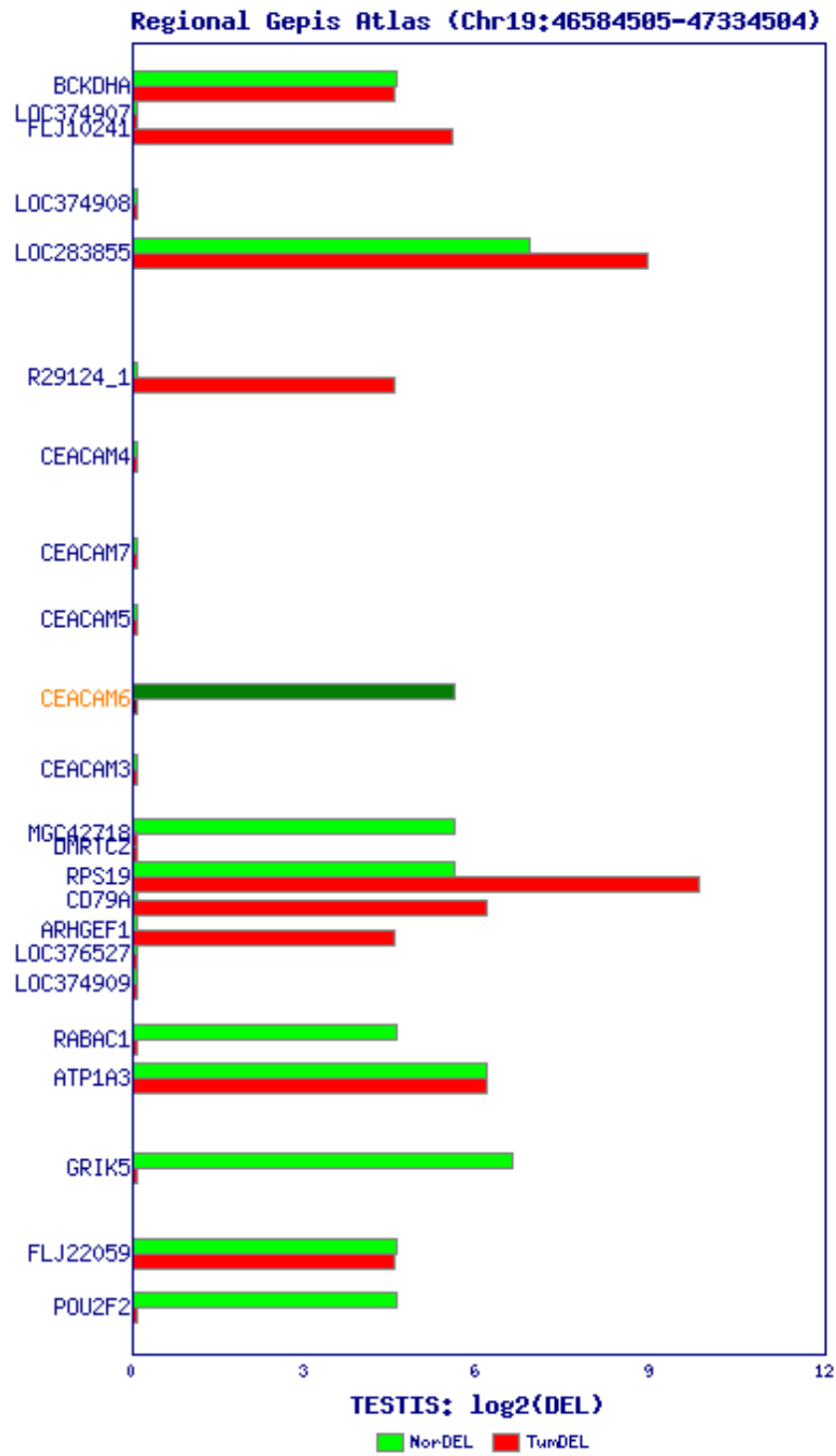


Figure 9: Regional Gepis Altas for TESTIS

Part IV

Query Sequence

>NCA

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