

Identification of novel tRNA-Leu-CAA derived tsRNAs for the diagnosis and prognosis of diffuse gliomas

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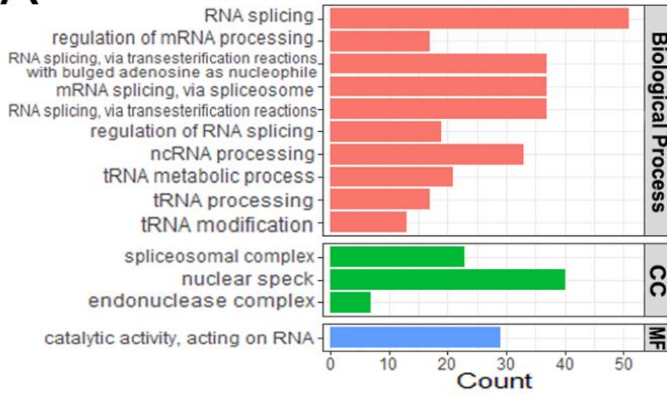
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Supplementary Materials

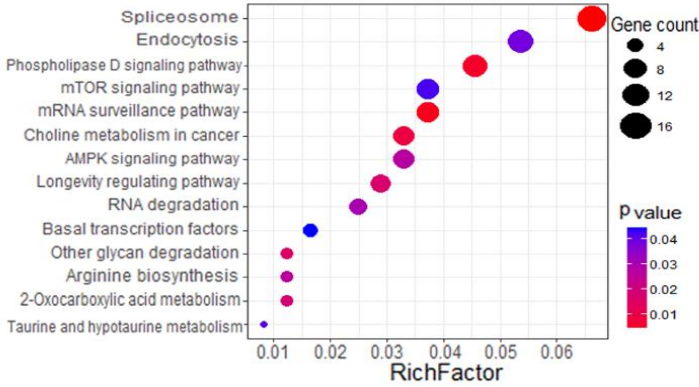
Figure titles and legends in the supplemental information files

Figure S1. The enrichment analyses of tRFdb-3012b -related genes within TCGA-LGG datasets. (**A-left**) The top gene ontology (GO) terms, including biological process, CC (cellular component) and MF (molecular function), as well as the top KEGG pathway for tRFdb-3012b-related genes. (**A-right**) The correlation scatter-plots of tRFdb-3012b and its correlated-genes (LUC7L, HDAC10, and OSGEP). (**B-left**) GSEA (gene set enrichment analysis) plots of three molecular signatures (astrocyte, microglia, and STIM treatment response signature), (**B-right**) the scatter plots for tRFdb-3012b and its correlated-genes (SNRNP70, HOOK2 and ING5).

A Go enrichment of top genes for tRFdb-3012b



KEGG enrichment of top genes for tRFdb-3012b



B

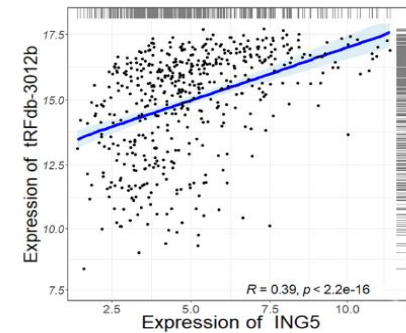
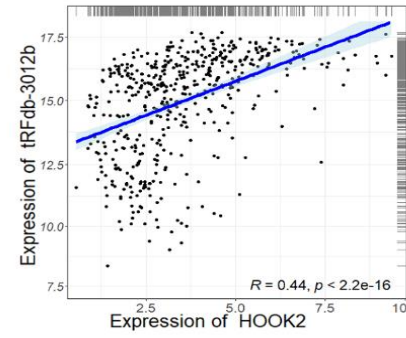
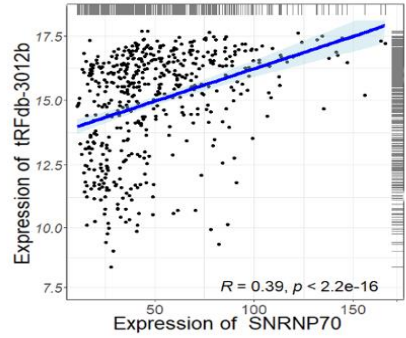
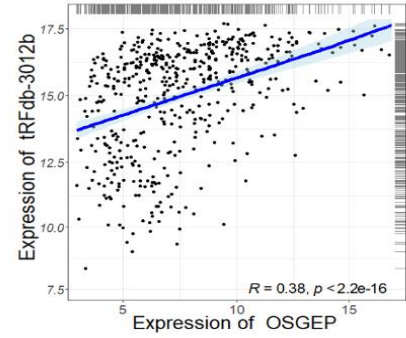
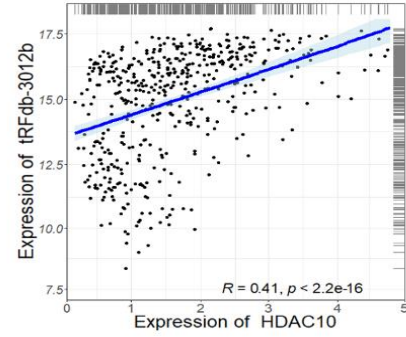
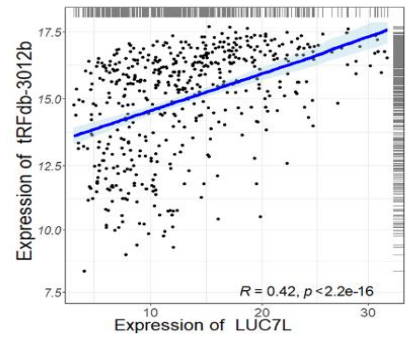
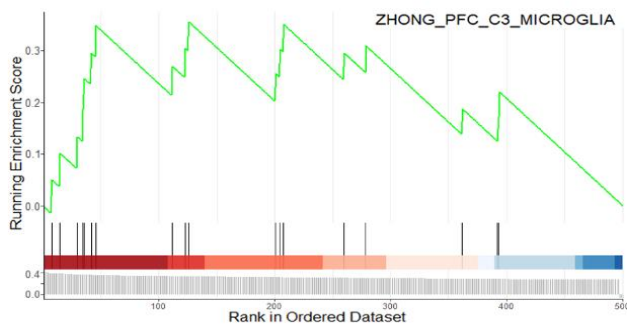
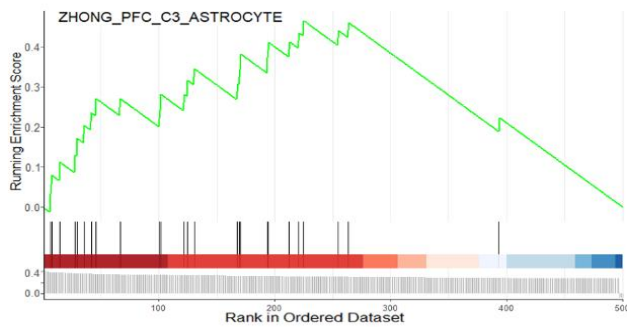
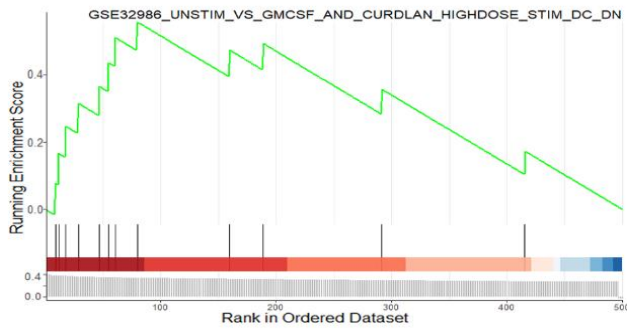


Figure S2. The enrichment analyses of ts-26 related genes within TCGA-LGG datasets. **(A)** The top gene ontology (GO) terms, including biological process, CC (cellular component) and MF (molecular function), as well as the top KEGG pathway for ts-26 related genes. The correlation scatter-plots of ts-26 and its correlated-genes (LUC7L, HOOK2 and HDAC10). **(B)** GSEA (gene set enrichment analysis) plots of three molecular signatures (CD11B interferon treatment response signature).

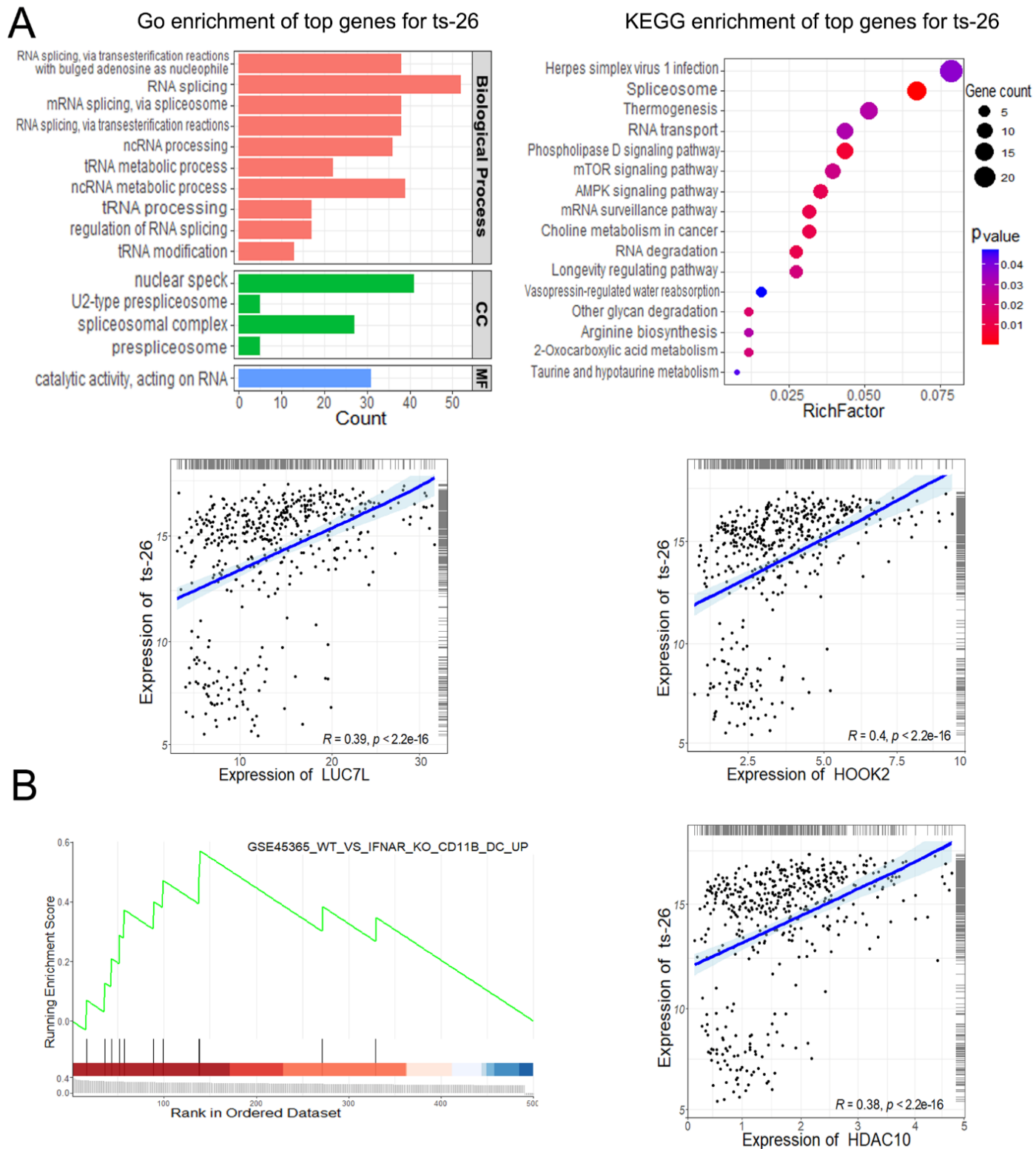


Table titles and footnotes in the supplemental information files

Table S1. A summary of the identified tsRNAs with available expression abundance in glioma datasets.

tsRNA	types	median	mean	min	max
tRFdb-3003a	3'-tRF	14.289	13.877	7.7285	18.602
tRFdb-3003b	3'-tRF	13.917	13.506	7.3585	18.23
tRFdb-3020a	3'-tRF	14.574	14.707	9.9196	18.193
tRFdb-3012a	3'-tRF	15.872	15.318	7.8317	17.984
tRFdb-3012b	3'-tRF	15.632	15.134	8.2924	17.694
tRFdb-3029a	3'-tRF	13.76	13.731	8.207	17.833
tRFdb-3029b	3'-tRF	12.435	12.383	7.2217	17.34
tRFdb-5005b	5'-tRF	12.039	11.909	7.0386	17.829
tRFdb-5005c	5'-tRF	11.729	11.598	6.7309	17.519
tRFdb-5026a	5'-tRF	12.039	11.976	7.2074	18.27
5P_tRNA-Lys-TTT-3-1	5'U-tRF	12.157	12.06	7.3584	18.142
tRFdb-3030a	3'-tRF	17.162	17.173	9.1163	18.878
tRFdb-3030b	3'-tRF	16.872	16.884	8.8274	18.589
tRFdb-3033a	3'-tRF	12.217	12.074	7.5631	18.41
tRFdb-3006a	3'-tRF	12.478	12.355	7.0734	17.775
tRFdb-3006b	3'-tRF	12.106	11.983	6.7046	17.403
tRFdb-3016a	3'-tRF	11.708	11.654	6.8395	16.209
tRFdb-3016b	3'-tRF	11.497	11.442	6.63	15.997
ts-96	tRF-1	13.33	13.175	5.5544	17.608
tRFdb-5002a	5'-tRF	15.189	15.176	8.5685	18.608
tRFdb-5002b	5'-tRF	14.749	14.735	8.1293	18.167
tRFdb-5002c	5'-tRF	14.043	14.029	7.4263	17.461
tRFdb-3001a	3'-tRF	11.955	11.89	7.2823	18.193
tRFdb-3013a	3'-tRF	11.417	11.343	6.662	16.41
tRFdb-3013b	3'-tRF	11.045	10.971	6.2942	16.039
tRFdb-3021a	3'-tRF	11.84	11.739	6.1712	15.3
ts-26	tRF-1	15.246	14.389	5.3882	17.346
tRFdb-3015a	3'-tRF	13.386	13.202	6.7256	16.171
tRFdb-3015b	3'-tRF	13.174	12.99	6.5163	15.959
tRFdb-5027b	5'-tRF	10.364	10.27	6.2337	15.968
tRFdb-5027c	5'-tRF	9.9282	9.8448	5.8097	15.537
tRFdb-5017a	5'-tRF	12.049	11.929	6.8707	17.183
tRFdb-5017b	5'-tRF	11.165	11.048	5.9966	16.298
tRFdb-3024a	3'-tRF	11.316	11.384	6.5174	15.44
tRFdb-3025a	3'-tRF	11.316	11.384	6.5174	15.44
ts-58	tRF-1	10.5	10.427	4.4122	14.612
tRFdb-3024b	3'-tRF	10.812	10.846	6.2314	15.119

tRFdb-3025b	3'-tRF	10.812	10.846	6.2314	15.119
tRFdb-3002b	3'-tRF	10.222	10.192	4.7455	14.543
tRFdb-3002a	3'-tRF	10.513	10.485	5.0252	14.833
ts-42	tRF-1	10.812	10.789	6.5465	14.817
tRFdb-5026b	5'-tRF	10.96	10.945	4.6838	17.915
tRFdb-5026c	5'-tRF	10.529	10.514	4.2726	17.485
tRFdb-1024	tRF-1	11.178	11.204	6.3523	14.775
tRFdb-1036	tRF-1	11.343	11.253	6.3523	14.715
ts-50	tRF-1	10.349	10.323	5.4953	17.505
tRFdb-5024a	5'-tRF	11.846	11.784	6.5754	17.398
5P_tRNA-Val-CAC-1-1	5'U-tRF	10.167	10.017	5.4457	14.999
tRFdb-3008a	3'-tRF	10.939	10.983	6.6031	17.1
tRFdb-3008b	3'-tRF	10.567	10.611	6.2355	16.729
tRFdb-5024b	5'-tRF	11.287	11.3	5.1605	16.928
tRFdb-5009a	5'-tRF	10.985	11.213	6.6766	17.637
tRFdb-5009b	5'-tRF	10.369	10.597	6.0674	17.02
tRFdb-5009c	5'-tRF	9.9389	10.167	5.6443	16.589
ts-110	tRF-1	10.403	10.383	4.8341	14.93
tRFdb-5012b	5'-tRF	9.7315	9.7027	6.0164	13.164
tRFdb-5013b	5'-tRF	9.8459	9.8271	6.1457	13.238
tRFdb-5012a	5'-tRF	10.04	10.075	6.4467	13.286
tRFdb-3004a	3'-tRF	10.712	10.714	6.0841	13.863
ts-1	tRF-1	9.567	9.5756	4.4045	14.824
tRFdb-5001a	5'-tRF	10.258	10.216	6.2622	14.599
tRFdb-5011a	5'-tRF	10.182	10.179	6.2674	13.557
ts-6	tRF-1	9.69	9.6345	5.6743	12.731
5P_tRNA-Tyr-GTA-2-1	5'U-tRF	9.7797	9.7497	5.8534	14.184
tRFdb-3011a	3'-tRF	10.034	9.9601	5.0252	14.102
tRFdb-3011b	3'-tRF	9.745	9.6711	4.7455	13.813
tRFdb-3026a	3'-tRF	10.086	10.013	5.5944	15.847
tRFdb-3026b	3'-tRF	9.7964	9.7243	5.3115	15.557
tRFdb-3007a	3'-tRF	11.286	11.264	6.7325	16.689
ts-30	tRF-1	9.9619	9.9113	5.6371	13.627
5P_tRNA-Arg-ACG-2-1	5'U-tRF	10.009	9.998	5.8038	14.576
tRFdb-5013c	5'-tRF	9.1837	9.1507	5.6803	12.318
tRFdb-5014a	5'-tRF	10.171	10.162	5.9532	14.728
ts-75	tRF-1	10.737	10.684	4.9681	16.07
5P_tRNA-Gly-CCC-2-1	5'U-tRF	9.4499	9.3518	4.8167	12.029
tRFdb-5007a	5'-tRF	9.8585	9.7597	5.2189	12.444
tRFdb-5007c	5'-tRF	8.8601	8.7618	4.2571	11.444
tRFdb-3027a	3'-tRF	9.5616	9.5401	5.1052	14.248
tRFdb-5004b	5'-tRF	9.6525	9.4623	4.6843	13.421
tRFdb-5004c	5'-tRF	9.1584	8.9688	4.2123	12.927
ts-88	tRF-1	8.8334	8.7758	4.3935	15.217
tRFdb-3027b	3'-tRF	9.0684	9.0274	4.7455	12.236

5P_tRNA-Pro-AGG-2-1	5'U-tRF	9.3642	9.3303	5.336	12.826
tRFdb-3014a	3'-tRF	10.099	10.101	6.1712	14.058
tRFdb-3014b	3'-tRF	9.8102	9.8121	5.8861	13.769
tRFdb-5016a	5'-tRF	9.9352	9.9739	4.7688	14.769
tRFdb-1030	tRF-1	10.386	10.343	6.4309	14.299
ts-81	tRF-1	9.234	9.2251	4.5075	14.269
5P_tRNA-Leu-CAA-4-1	5'U-tRF	9.2282	9.1928	4.3712	12.446
ts-38	tRF-1	9.0999	9.0145	4.0666	12.801
tRFdb-3009a	3'-tRF	10.577	10.52	7.0142	13.459
tRFdb-3009b	3'-tRF	10.298	10.254	6.7272	13.17
tRFdb-5015a	5'-tRF	10.102	10.126	4.9681	14.976
tRFdb-5005a	5'-tRF	9.6388	9.6158	5.5495	14.643
ts-55	tRF-1	9.2521	9.2813	4.6092	13.253
5P_tRNA-Lys-CTT-2-1	5'U-tRF	9.3013	9.2306	4.9561	14.228
5P_tRNA-Val-AAC-1-1	5'U-tRF	9.1167	9.0206	4.3712	11.897
tRFdb-3017a	3'-tRF	10.784	10.85	6.4444	14.008
tRFdb-5008b	5'-tRF	8.907	8.9358	4.6838	13.165
tRFdb-5003b	5'-tRF	9.6314	9.7253	4.6843	14.447
tRFdb-5003c	5'-tRF	9.1374	9.2316	4.2123	13.952
tRFdb-3017b	3'-tRF	10.635	10.658	6.2355	13.78
ts-105	tRF-1	10.355	10.357	5.9444	13.484
tRFdb-3005a	3'-tRF	10.175	10.391	6.0841	13.456
tRFdb-5008c	5'-tRF	8.4198	8.4984	5.2912	12.782
ts-7	tRF-1	8.6798	8.7005	4.6092	11.497
tRFdb-3004b	3'-tRF	9.8097	10.027	5.7184	13.084
tRFdb-3005b	3'-tRF	9.8097	10.027	5.7184	13.084
ts-9	tRF-1	8.9967	9.1093	5.2613	15.541
tRFdb-3022a	3'-tRF	9.4654	9.6361	5.7246	16.015
tRFdb-3022b	3'-tRF	9.1764	9.3472	5.4412	15.725
5P_tRNA-Gly-GCC-2-1	5'U-tRF	9.4724	9.3014	4.3712	12.608
5P_tRNA-Pro-CGG-1-1	5'U-tRF	8.8465	8.9272	5.0434	12.352
5P_tRNA-Gly-GCC-2-2	5'U-tRF	9.3159	9.1779	4.3712	12.781
tRFdb-3023a	3'-tRF	9.223	9.1239	6.6404	13.343
ts-36	tRF-1	8.6915	8.6762	5.6192	13.689
ts-48	tRF-1	8.9926	9.0153	5.6057	13.744
tRFdb-3023b	3'-tRF	8.8522	8.7474	6.2726	12.971
5P_tRNA-Ala-AGC-8-1	5'U-tRF	9.2922	9.2335	5.9201	12.286
tRFdb-5023a	5'-tRF	9.2351	9.083	4.6792	13.462
ts-60	tRF-1	8.8628	8.7587	5.3064	12.098
5P_tRNA-Gly-TCC-2-1	5'U-tRF	8.853	8.8991	4.3712	13.038
tRFdb-5020a	5'-tRF	9.5852	9.5467	4.8648	13.623
5P_tRNA-Lys-TTT-3-2	5'U-tRF	9.1669	9.0843	6.0445	12.21
5P_tRNA-Val-CAC-4-1	5'U-tRF	9.2205	9.1197	5.0434	15.321
5P_tRNA-His-GTG-1-1	5'U-tRF	8.9397	8.8139	4.3712	13.89
ts-74	tRF-1	8.3921	8.2928	5.4844	12.033

5P_tRNA-Gly-TCC-2-6	5'U-tRF	8.7462	8.677	4.9193	12.852
tRFdb-3031a	3'-tRF	9.2626	9.7787	5.1052	16.055
tRFdb-3031b	3'-tRF	8.445	8.9629	4.3175	15.236
tRFdb-1032	tRF-1	9.0899	8.889	5.3595	13.079
tRFdb-5023b	5'-tRF	8.453	8.3676	4.18	12.939
5P_tRNA-Arg-TCT-1-1	5'U-tRF	8.8883	8.7658	4.3712	13.55
ts-65	tRF-1	8.5976	8.5792	5.2062	11.564
ts-68	tRF-1	8.3901	8.3875	5.6743	11.063
tRFdb-5010a	5'-tRF	10.242	10.308	5.9831	15.283
ts-89	tRF-1	8.3331	8.3557	4.8329	11.366
tRFdb-1040	tRF-1	8.8222	8.7908	5.3224	11.044
ts-12	tRF-1	8.6215	8.5103	4.555	13.501
5P_tRNA-His-GTG-1-9	5'U-tRF	8.3617	8.383	4.9193	11.855
ts-67	tRF-1	8.046	7.9664	5.4875	10.433
ts-47	tRF-1	7.6406	7.6289	3.8207	11.629
tRFdb-3021b	3'-tRF	8.5908	8.6888	4.9103	12.738
ts-43	tRF-1	7.654	7.6284	3.578	11.015
ts-80	tRF-1	7.1167	6.9856	3.4393	9.3207
5P_tRNA-His-GTG-1-7	5'U-tRF	8.4476	8.3936	4.3712	12.775
ts-109	tRF-1	8.1126	7.9469	4.0666	10.517
ts-53	tRF-1	7.8624	7.85	4.4891	10.262
ts-108	tRF-1	6.9849	6.8941	3.8339	12.514
5P_tRNA-Leu-CAA-1-1	5'U-tRF	8.6533	8.5797	4.3712	11.943
tRFdb-1031	tRF-1	8.5129	8.4614	4.6792	11.257
5P_tRNA-Asn-GTT-1-1	5'U-tRF	8.619	8.5367	5.0434	12.999
tRFdb-3019a	3'-tRF	8.277	8.2112	5.9532	10.432
tRFdb-3019b	3'-tRF	7.9885	7.9229	5.6689	10.143
tRFdb-5021b	5'-tRF	8.7084	8.6404	5.7089	13.151
ts-104	tRF-1	7.8698	7.8629	4.8898	11.425
5P_tRNA-Glu-TTC-1-1	5'U-tRF	8.8479	8.8233	4.9561	11.688
ts-63	tRF-1	7.9866	7.9879	5.249	11.8
tRFdb-5021a	5'-tRF	9.1148	9.0064	6.0653	11.655
ts-51	tRF-1	7.8389	7.8288	4.9902	11.444
tRFdb-5029a	5'-tRF	8.9211	8.9891	5.1034	11.84
tRFdb-5029b	5'-tRF	8.5683	8.6365	4.7614	11.486
ts-23	tRF-1	9.1616	9.065	4.5639	12.39

Table S2. The expression profiles of tRNA-Leu-CAA derived tsRNAs with in glioma samples.

barcode	tRFdb-3012a	tRFdb-3012b	tRFdb-5023a	ts-26
TCGA-CS-4938-01B	15.476	15.215	NA	14.789
TCGA-CS-4941-01A	13.452	13.163	10.623	NA

TCGA-CS-4942-01A	13.641	13.352	9.4909	NA
TCGA-CS-4943-01A	12.623	12.471	NA	NA
TCGA-CS-4944-01A	15.05	14.811	8.4043	13.86
TCGA-CS-5390-01A	13.622	13.332	9.7933	NA
TCGA-CS-5393-01A	13.792	13.503	NA	NA
TCGA-CS-5394-01A	12.785	12.495	NA	NA
TCGA-CS-5395-01A	17.616	17.331	NA	16.962
TCGA-CS-5396-01A	13.152	12.962	9.5164	NA
TCGA-CS-5397-01A	11.44	11.203	NA	8.6357
TCGA-CS-6186-01A	12.096	11.807	8.6846	9.8753
TCGA-CS-6188-01A	15.126	14.847	7.1848	14.447
TCGA-CS-6290-01A	8.9338	11.227	NA	7.7153
TCGA-CS-6666-01A	16.907	16.632	NA	16.07
TCGA-CS-6667-01A	16.431	16.179	NA	15.37
TCGA-CS-6668-01A	15.977	15.688	NA	15.34
TCGA-CS-6669-01A	12.184	12.309	NA	10.225
TCGA-CS-6670-01A	13.839	13.714	8.5049	12.694
TCGA-DB-5270-01A	14.675	14.429	NA	8.9963
TCGA-DB-5273-01A	11.759	12.055	NA	9.1239
TCGA-DB-5274-01A	16.602	16.313	NA	15.687
TCGA-DB-5275-01A	15.965	15.675	NA	14.905
TCGA-DB-5277-01A	13.933	13.644	NA	10.489
TCGA-DB-5278-01A	16.827	16.559	NA	16.146
TCGA-DB-5279-01A	16.299	16.082	8.4901	15.627
TCGA-DB-5280-01A	14.795	14.621	NA	NA
TCGA-DB-5281-01A	16.173	16.045	NA	15.143
TCGA-DB-A4X9-01A	14.578	14.451	NA	13.575
TCGA-DB-A4XA-01A	14.847	14.895	NA	14.006
TCGA-DB-A4XB-01A	16.504	16.215	NA	15.741
TCGA-DB-A4XC-01A	14.525	14.676	9.8892	13.835
TCGA-DB-A4XD-01A	16.27	16.001	NA	15.352
TCGA-DB-A4XE-01A	16.66	16.371	NA	15.892
TCGA-DB-A4XF-01A	15.804	15.57	10.302	14.92
TCGA-DB-A4XG-01A	15.129	14.892	NA	13.737
TCGA-DB-A4XH-01A	14.893	14.796	9.0884	11.738
TCGA-DB-A64L-01A	15.917	15.628	NA	15.206
TCGA-DB-A64O-01A	14.919	14.919	NA	14.111
TCGA-DB-A64P-01A	16.997	16.707	NA	16.289
TCGA-DB-A64Q-01A	15.703	15.414	11.016	14.731
TCGA-DB-A64R-01A	17.199	17.003	NA	16.462
TCGA-DB-A64S-01A	16.75	16.461	NA	16.113
TCGA-DB-A64U-01A	16.929	16.64	NA	16.235
TCGA-DB-A64V-01A	14.959	14.669	12.321	14.321
TCGA-DB-A64W-01A	16.784	16.63	NA	16.023
TCGA-DB-A64X-01A	15.993	15.738	NA	15.008

TCGA-DB-A75K-01A	17.612	17.337	8.8543	16.927
TCGA-DB-A75L-01A	17.064	16.774	NA	16.426
TCGA-DB-A75O-01A	15.843	15.605	NA	15.176
TCGA-DB-A75P-01A	14.113	14.196	NA	13.295
TCGA-DH-5140-01A	16.519	16.229	NA	15.573
TCGA-DH-5141-01A	16.489	16.215	NA	15.259
TCGA-DH-5142-01A	13.535	13.246	9.3851	8.5794
TCGA-DH-5143-01A	13.408	13.119	NA	NA
TCGA-DH-5144-01A	11.838	11.811	NA	NA
TCGA-DH-A669-01A	15.559	15.292	NA	14.76
TCGA-DH-A66B-01A	16.369	16.111	NA	15.566
TCGA-DH-A66D-01A	16.39	16.101	NA	15.547
TCGA-DH-A66F-01A	16.997	16.708	NA	16.331
TCGA-DH-A66G-01A	16.718	16.448	NA	15.983
TCGA-DH-A7UR-01A	16.756	16.482	10.419	15.95
TCGA-DH-A7US-01A	17.203	16.952	NA	16.506
TCGA-DH-A7UT-01A	17.637	17.354	NA	16.961
TCGA-DH-A7UU-01A	16.826	16.546	NA	16.098
TCGA-DH-A7UV-01A	17.584	17.298	NA	16.902
TCGA-DU-5847-01A	15.053	14.805	6.9859	14.347
TCGA-DU-5849-01A	11.42	11.616	NA	6.8877
TCGA-DU-5852-01A	13.671	13.435	NA	13.01
TCGA-DU-5853-01A	16.58	16.329	9.3559	15.917
TCGA-DU-5854-01A	13.116	12.847	5.2317	12.468
TCGA-DU-5855-01A	10.336	11.268	NA	NA
TCGA-DU-5870-01A	16.102	15.813	NA	15.465
TCGA-DU-5871-01A	11.683	11.616	9.2695	7.8809
TCGA-DU-5872-01A	9.6051	10.093	NA	7.7501
TCGA-DU-5874-01A	10.283	10.409	NA	6.0811
TCGA-DU-6392-01A	8.26	8.2924	5.4584	6.6325
TCGA-DU-6393-01A	16.884	16.604	NA	16.231
TCGA-DU-6394-01A	9.954	9.7678	NA	5.5905
TCGA-DU-6395-01A	11.36	11.738	9.4443	8.2247
TCGA-DU-6396-01A	10.276	9.9868	NA	7.0634
TCGA-DU-6397-01A	9.1023	9.3429	6.1206	6.3106
TCGA-DU-6399-01A	10.477	11.144	7.5664	7.3452
TCGA-DU-6400-01A	9.2837	8.9947	NA	NA
TCGA-DU-6401-01A	11.459	11.639	NA	9.7076
TCGA-DU-6402-01A	10.519	10.307	8.5215	8.0376
TCGA-DU-6403-01A	8.3977	10.176	NA	5.467
TCGA-DU-6404-01A	9.8915	10.087	6.7514	6.9424
TCGA-DU-6405-01A	9.8939	10.221	7.1655	6.3657
TCGA-DU-6406-01A	9.167	9.2733	7.0971	7.6085
TCGA-DU-6407-01A	15.585	15.366	7.7337	14.897
TCGA-DU-6408-01A	10.203	10.236	NA	NA

TCGA-DU-6410-01A	16.324	16.059	7.2277	15.657
TCGA-DU-6542-01A	11.28	10.99	NA	NA
TCGA-DU-7006-01A	15.486	15.209	NA	14.778
TCGA-DU-7007-01A	15.82	15.543	7.5463	15.058
TCGA-DU-7008-01A	11.907	11.618	NA	NA
TCGA-DU-7009-01A	12.335	12.335	NA	NA
TCGA-DU-7010-01A	13.342	13.053	8.9302	NA
TCGA-DU-7012-01A	16.412	16.141	9.8202	15.556
TCGA-DU-7013-01A	17.027	16.752	NA	16.252
TCGA-DU-7014-01A	12.87	12.659	NA	8.0678
TCGA-DU-7015-01A	16.501	16.211	NA	15.678
TCGA-DU-7018-01A	11.061	11.257	9.9096	NA
TCGA-DU-7019-01A	12.119	11.83	NA	NA
TCGA-DU-7290-01A	12.979	12.69	8.4527	10.964
TCGA-DU-7292-01A	16.641	16.404	NA	15.749
TCGA-DU-7294-01A	16.451	16.186	8.7299	15.62
TCGA-DU-7298-01A	15.929	15.677	NA	15.036
TCGA-DU-7299-01A	13.074	12.928	NA	NA
TCGA-DU-7300-01A	12.978	12.92	NA	7.8229
TCGA-DU-7301-01A	12.041	11.903	NA	8.8212
TCGA-DU-7302-01A	16.605	16.379	NA	15.926
TCGA-DU-7304-01A	13.709	13.572	NA	NA
TCGA-DU-7306-01A	13.364	13.123	NA	12.541
TCGA-DU-7309-01A	16.576	16.363	NA	15.524
TCGA-DU-8158-01A	11.579	11.521	NA	8.0079
TCGA-DU-8161-01A	10.846	11.142	9.0183	7.2179
TCGA-DU-8162-01A	15.477	15.547	NA	14.77
TCGA-DU-8163-01A	16.155	15.927	8.3355	15.437
TCGA-DU-8164-01A	16.538	16.291	8.6454	15.794
TCGA-DU-8165-01A	15.327	15.047	6.6812	14.628
TCGA-DU-8166-01A	12.583	12.557	NA	NA
TCGA-DU-8167-01A	14.546	14.367	NA	13.765
TCGA-DU-8168-01A	16.696	16.424	NA	15.911
TCGA-DU-A5TP-01A	14.294	14.128	7.8121	13.441
TCGA-DU-A5TR-01A	13.682	13.535	NA	12.366
TCGA-DU-A5TS-01A	15.828	15.539	NA	15.191
TCGA-DU-A5TT-01A	16.158	15.868	10.351	15.474
TCGA-DU-A5TU-01A	15.324	15.111	9.287	14.432
TCGA-DU-A5TW-01A	16.548	16.278	NA	15.718
TCGA-DU-A5TY-01A	15.406	15.232	9.9926	14.541
TCGA-DU-A6S2-01A	17.382	17.11	NA	16.72
TCGA-DU-A6S3-01A	16.84	16.587	9.2545	16.159
TCGA-DU-A6S6-01A	17.519	17.244	9.4575	16.838
TCGA-DU-A6S7-01A	17.266	17.004	NA	16.524
TCGA-DU-A6S8-01A	16.501	16.221	NA	15.797

TCGA-DU-A76K-01A	16.084	15.909	NA	15.423
TCGA-DU-A76L-01A	17.656	17.367	10.22	16.993
TCGA-DU-A76O-01A	17.92	17.63	NA	17.282
TCGA-DU-A76R-01A	17.384	17.116	NA	16.725
TCGA-DU-A7T6-01A	16.978	16.723	NA	16.251
TCGA-DU-A7T8-01A	17.04	16.764	10.417	16.295
TCGA-DU-A7TA-01A	16.643	16.407	NA	15.862
TCGA-DU-A7TB-01A	16.283	16.026	10.994	15.629
TCGA-DU-A7TC-01A	17.964	17.675	NA	17.327
TCGA-DU-A7TD-01A	14.911	14.688	NA	13.985
TCGA-DU-A7TG-01A	14.081	14.419	11.529	13.206
TCGA-DU-A7TI-01A	16.03	15.85	NA	15.327
TCGA-DU-A7TJ-01A	17.149	16.912	NA	16.511
TCGA-E1-5302-01A	NA	NA	NA	NA
TCGA-E1-5303-01A	13.931	13.684	9.0589	12.834
TCGA-E1-5304-01A	15.997	15.722	NA	12.509
TCGA-E1-5305-01A	12.666	12.464	NA	9.0312
TCGA-E1-5307-01A	15.985	15.754	10.238	15.059
TCGA-E1-5311-01A	15.085	14.796	NA	NA
TCGA-E1-5318-01A	13.676	13.387	NA	NA
TCGA-E1-5319-01A	15.368	15.078	9.7319	14.567
TCGA-E1-5322-01A	15.896	15.629	NA	14.866
TCGA-E1-A7YD-01A	13.482	13.242	NA	12.767
TCGA-E1-A7YE-01A	17.068	16.8	NA	16.396
TCGA-E1-A7YH-01A	16.9	16.625	10.427	16.234
TCGA-E1-A7YI-01A	17.303	17.028	NA	16.587
TCGA-E1-A7YJ-01A	15.492	15.202	NA	14.579
TCGA-E1-A7YK-01A	15.755	15.53	NA	14.828
TCGA-E1-A7YL-01A	15.672	15.382	NA	14.803
TCGA-E1-A7YM-01A	15.081	14.99	10.165	14.357
TCGA-E1-A7YN-01A	13.669	13.448	NA	12.936
TCGA-E1-A7YO-01A	16.836	16.64	10.101	16.047
TCGA-E1-A7YQ-01A	14.197	14.167	10.324	13.27
TCGA-E1-A7YS-01A	16.918	16.661	NA	16.18
TCGA-E1-A7YU-01A	15.095	15.196	NA	14.323
TCGA-E1-A7YV-01A	14.837	14.688	NA	14.043
TCGA-E1-A7YW-01A	16.915	16.685	NA	16.216
TCGA-E1-A7YY-01A	16.219	16.152	NA	15.541
TCGA-E1-A7Z2-01A	15.311	15.275	NA	14.432
TCGA-E1-A7Z3-01A	16.307	16.157	NA	15.619
TCGA-E1-A7Z4-01A	13.531	13.488	NA	12.789
TCGA-E1-A7Z6-01A	14.315	14.449	9.0281	13.54
TCGA-EZ-7264-01A	12.801	12.759	NA	8.1684
TCGA-F6-A8O3-01A	11.38	11.313	9.9657	9.7435
TCGA-F6-A8O4-01A	10.307	10.755	6.5844	8.7653

TCGA-FG-5962-01B	11.949	13.144	NA	7.0002
TCGA-FG-5963-01A	13.92	13.644	4.6792	13.27
TCGA-FG-5964-01A	14.589	14.614	NA	13.879
TCGA-FG-5965-01B	16.31	16.048	NA	15.594
TCGA-FG-6688-01A	10.163	10.78	NA	6.54
TCGA-FG-6689-01A	12.269	12.395	NA	7.7316
TCGA-FG-6690-01A	12.654	12.365	NA	NA
TCGA-FG-6691-01A	13.36	13.204	8.5795	7.7749
TCGA-FG-6692-01A	12.836	12.572	9.7349	NA
TCGA-FG-7634-01A	11.81	11.742	NA	7.013
TCGA-FG-7636-01A	16.313	16.076	NA	15.398
TCGA-FG-7637-01A	16.529	16.256	NA	15.738
TCGA-FG-7638-01B	12.042	12.2	NA	7.9507
TCGA-FG-7641-01B	13.114	12.918	NA	9.157
TCGA-FG-7643-01A	16.181	15.957	9.9265	15.384
TCGA-FG-8181-01A	12.183	12.408	6.9714	10.061
TCGA-FG-8182-01A	12.121	12.108	8.0486	8.2405
TCGA-FG-8185-01A	14.366	14.149	7.9418	8.1337
TCGA-FG-8186-01A	11.928	11.816	NA	6.7802
TCGA-FG-8187-01A	12.858	13.003	9.4055	8.0166
TCGA-FG-8188-01A	15.21	14.961	NA	13.6
TCGA-FG-8189-01B	15.839	16.305	NA	14.661
TCGA-FG-8191-01A	11.384	11.399	7.4741	7.6657
TCGA-FG-A4MU-01B	15.658	15.379	8.8084	14.917
TCGA-FG-A4MW-01A	16.531	16.256	NA	15.804
TCGA-FG-A4MX-01A	13.372	13.227	9.2962	11.735
TCGA-FG-A4MY-01A	14.396	14.139	NA	12.856
TCGA-FG-A60J-01A	16.247	15.996	NA	15.442
TCGA-FG-A60K-01A	17.317	17.028	NA	16.588
TCGA-FG-A60L-01A	16.634	16.355	NA	15.902
TCGA-FG-A6IZ-01A	14.079	13.978	NA	13.337
TCGA-FG-A6J1-01A	17.05	16.766	8.9753	16.355
TCGA-FG-A6J3-01A	13.051	12.899	NA	11.092
TCGA-FG-A70Y-01A	16.949	16.715	NA	16.255
TCGA-FG-A70Z-01A	15.624	15.351	NA	14.898
TCGA-FG-A710-01A	15.412	15.255	10.882	14.431
TCGA-FG-A711-01A	16.61	16.368	NA	15.794
TCGA-FG-A713-01A	15.734	15.859	NA	14.94
TCGA-FG-A87N-01A	17.057	16.778	NA	16.4
TCGA-FG-A87Q-01A	16.258	15.994	NA	15.566
TCGA-FN-7833-01A	16.339	16.094	NA	15.525
TCGA-HT-7467-01A	17.288	17.002	NA	16.647
TCGA-HT-7468-01A	11.858	11.568	8.2245	8.4166
TCGA-HT-7469-01A	16.629	16.358	NA	15.748
TCGA-HT-7470-01A	16.538	16.345	NA	15.832

TCGA-HT-7471-01A	16.619	16.362	NA	15.965
TCGA-HT-7472-01A	11.727	11.701	NA	9.7691
TCGA-HT-7473-01A	16.921	16.637	9.077	16.18
TCGA-HT-7474-01A	11.917	12.28	NA	8.4764
TCGA-HT-7475-01A	12.527	12.294	NA	NA
TCGA-HT-7476-01A	17.17	16.892	NA	16.423
TCGA-HT-7477-01B	16.776	16.486	NA	16.099
TCGA-HT-7478-01A	12.293	12.003	NA	NA
TCGA-HT-7479-01A	16.5	16.254	NA	15.724
TCGA-HT-7480-01A	16.175	15.886	NA	15.538
TCGA-HT-7481-01A	16.709	16.435	NA	15.925
TCGA-HT-7482-01A	12.908	12.673	NA	NA
TCGA-HT-7483-01A	12.565	12.523	NA	7.9328
TCGA-HT-7485-01A	16.793	16.51	NA	16.063
TCGA-HT-7601-01A	16.221	15.973	NA	15.462
TCGA-HT-7602-01A	12.793	12.918	9.7943	7.4089
TCGA-HT-7603-01A	15.864	15.803	10.405	15.057
TCGA-HT-7604-01A	7.8317	9.8593	NA	NA
TCGA-HT-7605-01A	16.53	16.309	NA	15.732
TCGA-HT-7606-01A	13.555	13.265	9.4048	8.599
TCGA-HT-7607-01A	12.945	13.392	9.2098	NA
TCGA-HT-7608-01A	11.484	13.309	NA	NA
TCGA-HT-7609-01A	12.858	12.7	8.6392	NA
TCGA-HT-7610-01A	16.658	16.433	NA	15.959
TCGA-HT-7611-01A	16.654	16.396	NA	15.957
TCGA-HT-7616-01A	12.384	12.152	NA	NA
TCGA-HT-7620-01A	11.664	11.746	NA	7.9445
TCGA-HT-7676-01A	12.244	11.955	6.727	NA
TCGA-HT-7677-01A	16.645	16.37	NA	15.931
TCGA-HT-7680-01A	14.985	14.763	8.4588	14.291
TCGA-HT-7681-01A	11.957	11.793	NA	7.8661
TCGA-HT-7684-01A	11.771	11.589	NA	7.4413
TCGA-HT-7686-01A	11.923	11.704	NA	7.9688
TCGA-HT-7687-01A	11.069	10.78	7.2482	6.4479
TCGA-HT-7688-01A	15.592	15.695	8.997	14.772
TCGA-HT-7689-01A	11.543	11.533	7.9109	7.108
TCGA-HT-7690-01A	11.932	11.713	NA	6.9839
TCGA-HT-7691-01A	11.12	11.266	NA	6.4114
TCGA-HT-7692-01A	15.204	14.935	9.2067	14.441
TCGA-HT-7693-01A	15.769	15.527	9.8252	15.039
TCGA-HT-7694-01A	14.011	13.823	NA	13.081
TCGA-HT-7695-01A	17.091	16.83	NA	16.377
TCGA-HT-7854-01A	15.514	15.348	NA	14.684
TCGA-HT-7855-01A	16.198	15.966	NA	15.115
TCGA-HT-7856-01A	12.649	12.859	9.7843	8.6569

TCGA-HT-7857-01A	14.416	14.133	8.0436	13.578
TCGA-HT-7858-01A	10.747	10.56	6.1808	5.3882
TCGA-HT-7860-01A	16.433	16.167	NA	15.714
TCGA-HT-7873-01B	17.634	17.347	NA	16.937
TCGA-HT-7874-01A	12.768	13.137	10.276	8.8854
TCGA-HT-7875-01A	17.192	16.912	9.0474	16.471
TCGA-HT-7877-01A	17.38	17.106	NA	16.657
TCGA-HT-7879-01A	17.026	16.742	NA	16.273
TCGA-HT-7880-01A	17.275	16.991	NA	16.555
TCGA-HT-7881-01A	8.9751	10.558	7.5649	6.7632
TCGA-HT-7882-01A	15.891	15.63	NA	15.104
TCGA-HT-7884-01B	17.705	17.425	NA	17.011
TCGA-HT-7902-01A	10.228	9.9388	NA	6.2861
TCGA-HT-8010-01A	16.657	16.47	NA	15.671
TCGA-HT-8011-01A	15.43	15.229	9.2983	14.396
TCGA-HT-8012-01A	16.249	16.006	NA	15.429
TCGA-HT-8013-01A	12.856	12.773	NA	7.5257
TCGA-HT-8015-01B	15.91	15.71	NA	15.177
TCGA-HT-8018-01A	11.211	11.69	NA	8.6292
TCGA-HT-8019-01A	14.48	14.72	NA	13.668
TCGA-HT-8104-01A	17.468	17.178	NA	16.78
TCGA-HT-8105-01A	12.752	12.835	NA	NA
TCGA-HT-8107-01A	11.773	11.747	NA	7.82
TCGA-HT-8108-01A	17.404	17.127	NA	16.515
TCGA-HT-8109-01A	16.947	16.7	8.3403	16.25
TCGA-HT-8110-01A	13.63	13.46	NA	12.881
TCGA-HT-8111-01A	10.576	10.534	NA	5.9606
TCGA-HT-8113-01A	12.033	13.066	NA	NA
TCGA-HT-8114-01A	16.124	15.848	NA	15.339
TCGA-HT-8558-01A	10.109	10.819	NA	NA
TCGA-HT-8563-01A	15.036	14.758	5.8758	14.334
TCGA-HT-8564-01A	11.039	10.75	6.8286	6.0307
TCGA-HT-A4DS-01A	16.739	16.462	NA	15.856
TCGA-HT-A4DV-01A	16.315	16.05	NA	15.525
TCGA-HT-A5R5-01A	16.37	16.104	NA	15.672
TCGA-HT-A5R7-01A	17.288	16.998	NA	16.617
TCGA-HT-A5R9-01A	14.11	13.82	NA	13.473
TCGA-HT-A5RA-01A	17.352	17.062	NA	16.689
TCGA-HT-A5RB-01A	17.08	16.808	NA	16.351
TCGA-HT-A5RC-01A	16.063	15.797	NA	15.246
TCGA-HT-A614-01A	17.766	17.476	NA	17.128
TCGA-HT-A615-01A	17.021	16.748	NA	16.352
TCGA-HT-A616-01A	15.791	15.501	NA	15.086
TCGA-HT-A617-01A	15.599	15.344	NA	14.852
TCGA-HT-A618-01A	14.631	14.37	NA	13.35

TCGA-HT-A619-01A	17.63	17.34	NA	16.956
TCGA-HT-A61A-01A	17.436	17.147	NA	16.723
TCGA-HT-A61B-01A	17.301	17.017	NA	16.61
TCGA-HT-A61C-01A	17.152	16.862	NA	16.454
TCGA-HT-A74H-01A	17.14	16.873	NA	16.456
TCGA-HT-A74K-01A	17.216	16.942	NA	16.522
TCGA-HT-A74L-01A	17.522	17.237	NA	16.879
TCGA-HT-A74O-01A	16.579	16.346	NA	15.831
TCGA-HW-7486-01A	11.632	11.588	8.6352	6.2582
TCGA-HW-7487-01A	12.122	11.832	NA	NA
TCGA-HW-7489-01A	16.151	15.891	NA	15.268
TCGA-HW-7490-01A	NA	NA	NA	NA
TCGA-HW-7491-01A	11.652	11.45	7.8277	7.0251
TCGA-HW-7493-01A	15.069	14.89	NA	14.208
TCGA-HW-7495-01A	12.851	12.636	NA	NA
TCGA-HW-8319-01A	17.593	17.309	NA	16.836
TCGA-HW-8320-01A	10.401	10.111	7.4081	NA
TCGA-HW-8321-01A	16.668	16.423	8.5156	15.933
TCGA-HW-8322-01A	10.634	10.497	7.6408	6.8388
TCGA-HW-A5KJ-01A	13.503	13.649	NA	10.778
TCGA-HW-A5KK-01A	14.715	14.473	NA	13.815
TCGA-HW-A5KL-01A	17.203	16.914	9.9071	16.566
TCGA-HW-A5KM-01A	14.176	13.947	NA	13.412
TCGA-IK-7675-01A	12.444	12.154	8.4477	7.6434
TCGA-IK-8125-01A	12.455	12.377	NA	NA
TCGA-KT-A74X-01A	16.439	16.2	NA	15.695
TCGA-KT-A7W1-01A	16.919	16.678	NA	16.144
TCGA-P5-A5ET-01A	15.829	15.623	NA	15.083
TCGA-P5-A5EU-01A	16.335	16.095	11.258	15.509
TCGA-P5-A5EV-01A	16.07	15.843	10.019	15.21
TCGA-P5-A5EW-01A	16.318	16.059	9.9349	15.412
TCGA-P5-A5EX-01A	13.745	13.584	7.1829	12.995
TCGA-P5-A5EY-01A	14.588	14.414	NA	13.588
TCGA-P5-A5EZ-01A	14.111	13.947	NA	12.216
TCGA-P5-A5F0-01A	16.899	16.618	NA	16.227
TCGA-P5-A5F1-01A	15.997	15.708	NA	15.36
TCGA-P5-A5F2-01A	14.34	14.273	NA	12.577
TCGA-P5-A5F4-01A	16.065	15.775	NA	15.428
TCGA-P5-A5F6-01A	15.238	14.959	NA	14.513
TCGA-P5-A72U-01A	16.824	16.551	NA	16.169
TCGA-P5-A72W-01A	15.863	15.609	NA	15.103
TCGA-P5-A72X-01A	16.688	16.433	NA	15.942
TCGA-P5-A72Z-01A	17.71	17.445	10.429	17.03
TCGA-P5-A730-01A	15.95	15.69	NA	15.237
TCGA-P5-A731-01A	15.724	15.547	NA	14.963

TCGA-P5-A733-01A	15.684	15.515	NA	14.729
TCGA-P5-A735-01A	17.283	16.994	NA	16.646
TCGA-P5-A736-01A	16.629	16.369	11.185	15.869
TCGA-P5-A737-01A	14.041	13.878	9.0307	13.159
TCGA-P5-A77W-01A	16.792	16.517	10.72	16.111
TCGA-P5-A77X-01A	16.639	16.366	9.3516	15.926
TCGA-P5-A780-01A	16.833	16.553	9.6476	16.169
TCGA-P5-A781-01A	16.507	16.299	NA	15.749
TCGA-QH-A65R-01A	14.329	14.117	9.7456	13.551
TCGA-QH-A65S-01A	15.816	15.527	NA	15.058
TCGA-QH-A65V-01A	14.567	14.377	NA	13.582
TCGA-QH-A65X-01A	16.776	16.487	NA	16.081
TCGA-QH-A65Z-01A	15.817	15.528	10.465	15.083
TCGA-QH-A6CS-01A	14.984	14.739	10.155	14.047
TCGA-QH-A6CU-01A	14.626	14.432	NA	13.3
TCGA-QH-A6CV-01A	16.186	15.924	NA	15.52
TCGA-QH-A6CX-01A	14.534	14.269	NA	13.847
TCGA-QH-A6CY-01A	15.172	15.016	NA	14.418
TCGA-QH-A6CZ-01A	14.864	14.575	NA	14.227
TCGA-QH-A6X3-01A	16.829	16.585	NA	16.051
TCGA-QH-A6X4-01A	17.898	17.608	NA	17.26
TCGA-QH-A6X5-01A	15.376	15.15	NA	14.672
TCGA-QH-A6X8-01A	17.308	17.035	NA	16.622
TCGA-QH-A6X9-01A	16.718	16.514	9.2755	15.958
TCGA-QH-A6XA-01A	15.626	15.436	8.9909	14.839
TCGA-QH-A6XC-01A	16.551	16.324	NA	15.83
TCGA-QH-A86X-01A	16.701	16.446	8.9545	16.021
TCGA-QH-A870-01A	15.469	15.261	NA	14.789
TCGA-R8-A6MK-01A	15.604	15.386	NA	14.757
TCGA-R8-A6ML-01A	16.183	15.975	10.246	15.459
TCGA-R8-A6MO-01A	15.904	15.615	NA	15.156
TCGA-R8-A6YH-01A	17.228	17.007	NA	16.443
TCGA-R8-A73M-01A	17.036	16.755	NA	16.284
TCGA-RY-A83X-01A	17.22	16.931	NA	16.516
TCGA-RY-A83Y-01A	15.888	15.632	NA	15.181
TCGA-RY-A83Z-01A	16.978	16.695	NA	16.302
TCGA-RY-A840-01A	17.19	16.936	NA	16.484
TCGA-RY-A843-01A	15.526	15.34	NA	14.835
TCGA-RY-A845-01A	17.455	17.174	NA	16.774
TCGA-RY-A847-01A	10.709	10.779	5.1902	9.7368
TCGA-S9-A6TS-01A	17.26	16.971	NA	16.623
TCGA-S9-A6TU-01A	15.872	15.583	10.674	15.188
TCGA-S9-A6TV-01A	17.28	17.01	NA	16.602
TCGA-S9-A6TW-01A	17.356	17.071	NA	16.674
TCGA-S9-A6TX-01A	16.987	16.709	NA	16.282

TCGA-S9-A6TY-01A	16.804	16.541	NA	15.974
TCGA-S9-A6TZ-01A	16.579	16.338	NA	15.841
TCGA-S9-A6U0-01A	17.111	16.837	NA	16.428
TCGA-S9-A6U1-01A	16.316	16.026	NA	15.678
TCGA-S9-A6U2-01A	16.384	16.137	NA	15.514
TCGA-S9-A6U5-01A	15.261	14.971	NA	14.623
TCGA-S9-A6U6-01A	15.404	15.232	NA	14.206
TCGA-S9-A6U8-01A	15.781	15.591	NA	14.795
TCGA-S9-A6U9-01A	16.268	15.978	NA	15.45
TCGA-S9-A6UA-01A	16.485	16.21	NA	15.818
TCGA-S9-A6UB-01A	16.587	16.324	12.003	15.839
TCGA-S9-A6WD-01A	15.91	15.647	NA	15.162
TCGA-S9-A6WE-01A	17.039	16.763	NA	16.36
TCGA-S9-A6WG-01A	16.033	15.872	NA	15.336
TCGA-S9-A6WH-01A	16.223	15.973	NA	15.323
TCGA-S9-A6WI-01A	14.588	14.823	11.759	13.199
TCGA-S9-A6WL-01A	16.757	16.518	NA	16.094
TCGA-S9-A6WM-01A	15.63	15.511	NA	14.851
TCGA-S9-A6WN-01A	14.475	14.219	NA	13.803
TCGA-S9-A6WO-01A	17.167	16.888	NA	16.462
TCGA-S9-A6WP-01A	17.096	16.833	NA	16.29
TCGA-S9-A6WQ-01A	16.839	16.567	NA	16.165
TCGA-S9-A7IQ-01A	15.376	15.651	NA	14.675
TCGA-S9-A7IS-01A	17.159	16.89	10.201	16.469
TCGA-S9-A7IX-01A	15.842	15.626	9.1692	15.046
TCGA-S9-A7IY-01A	16.63	16.402	NA	15.927
TCGA-S9-A7IZ-01A	16.049	15.907	NA	15.249
TCGA-S9-A7J0-01A	17.531	17.241	10.178	16.846
TCGA-S9-A7J1-01A	17.155	16.9	NA	16.508
TCGA-S9-A7J2-01A	17.439	17.176	NA	16.775
TCGA-S9-A7J3-01A	17.984	17.694	NA	17.346
TCGA-S9-A7QW-01A	16.978	16.768	NA	16.298
TCGA-S9-A7QX-01A	15.684	15.395	NA	15.047
TCGA-S9-A7QY-01A	16.657	16.411	NA	15.904
TCGA-S9-A7QZ-01A	17.703	17.417	10.083	17.046
TCGA-S9-A7R1-01A	14.922	14.74	10.393	13.584
TCGA-S9-A7R2-01A	14.563	14.392	NA	13.798
TCGA-S9-A7R3-01A	17.36	17.12	10.966	16.628
TCGA-S9-A7R4-01A	14.974	14.754	9.2156	14.021
TCGA-S9-A7R7-01A	16.323	16.034	NA	15.583
TCGA-S9-A7R8-01A	14.963	14.83	NA	14.196
TCGA-S9-A89V-01A	14.658	14.458	8.2779	13.966
TCGA-S9-A89Z-01A	15.735	15.467	8.8314	15.032
TCGA-TM-A7C3-01A	15.306	15.016	NA	14.417
TCGA-TM-A7C4-01A	16.769	16.538	NA	16.07

TCGA-TM-A7C5-01A	16.868	16.604	NA	16.179
TCGA-TM-A7CA-01A	16.733	16.465	NA	15.887
TCGA-TM-A7CF-01A	15.571	15.413	10.35	14.751
TCGA-TM-A84B-01A	16.615	16.366	NA	15.849
TCGA-TM-A84C-01A	15.502	15.269	NA	14.721
TCGA-TM-A84F-01A	16.611	16.35	NA	15.869
TCGA-TM-A84G-01A	17.419	17.129	NA	16.754
TCGA-TM-A84H-01A	17.136	16.88	NA	16.452
TCGA-TM-A84I-01A	16.809	16.532	NA	16.055
TCGA-TM-A84J-01A	17.645	17.362	9.4772	16.99
TCGA-TM-A84L-01A	17.476	17.193	NA	16.81
TCGA-TM-A84M-01A	17.08	16.807	NA	16.392
TCGA-TM-A84O-01A	14.139	14.026	NA	13.3
TCGA-TM-A84Q-01A	17.23	16.94	NA	16.592
TCGA-TM-A84R-01A	15.543	15.548	NA	14.759
TCGA-TM-A84S-01A	16.255	16.011	NA	15.497
TCGA-TM-A84T-01A	17.391	17.113	NA	16.721
TCGA-TQ-A7RF-01A	14.741	14.53	NA	13.888
TCGA-TQ-A7RG-01A	17.17	16.924	NA	16.465
TCGA-TQ-A7RH-01A	17.148	16.887	NA	16.487
TCGA-TQ-A7RI-01A	17.576	17.303	NA	16.85
TCGA-TQ-A7RJ-01A	17.208	16.953	NA	16.474
TCGA-TQ-A7RK-01A	17.476	17.199	NA	16.826
TCGA-TQ-A7RM-01A	17.761	17.472	NA	17.071
TCGA-TQ-A7RN-01A	17.596	17.307	NA	16.915
TCGA-TQ-A7RO-01A	17.198	16.927	NA	16.56
TCGA-TQ-A7RP-01A	15.355	15.12	NA	14.642
TCGA-TQ-A7RQ-01A	17.551	17.262	11.418	16.839
TCGA-TQ-A7RR-01A	17.518	17.269	NA	16.822
TCGA-TQ-A7RS-01A	16.875	16.636	NA	16.114
TCGA-TQ-A7RV-01A	17.782	17.492	NA	17.144
TCGA-TQ-A7RW-01A	17.162	16.872	NA	16.504
TCGA-TQ-A8XE-01A	17.377	17.106	NA	16.617
TCGA-VM-A8C8-01A	17.639	17.374	8.3867	16.976
TCGA-VM-A8C9-01A	14.357	14.1	NA	13.709
TCGA-VM-A8CA-01A	15.679	15.511	NA	14.946
TCGA-VM-A8CB-01A	17.226	16.959	NA	16.449
TCGA-VM-A8CD-01A	16.716	16.445	NA	15.953
TCGA-VM-A8CE-01A	17.288	17.044	NA	16.621
TCGA-VM-A8CF-01A	15.406	15.289	NA	14.406
TCGA-VM-A8CH-01A	16.573	16.32	NA	15.86
TCGA-VV-A829-01A	14.668	14.428	NA	13.928
TCGA-VV-A86M-01A	16.213	15.941	10.01	15.391
TCGA-VW-A7QS-01A	16.487	16.218	NA	15.716
TCGA-VW-A8FI-01A	14.644	14.384	8.2186	13.961

TCGA-W9-A837-01A	15.608	15.341	9.7573	14.831
TCGA-WH-A86K-01A	15.725	15.459	NA	14.955
TCGA-WY-A858-01A	14.926	14.664	8.4276	14.155
TCGA-WY-A859-01A	13.513	13.96	9.7774	12.554
TCGA-WY-A85A-01A	16.867	16.617	13.462	16.081
TCGA-WY-A85B-01A	15.925	15.635	12.689	15.287
TCGA-WY-A85C-01A	15.52	15.252	NA	14.815
TCGA-WY-A85D-01A	15.151	15.106	NA	14.324
TCGA-WY-A85E-01A	14.735	14.552	NA	13.982
TCGA-06-0675-11A	16.979	16.704	NA	16.313
TCGA-06-0678-11A	17.225	17.001	NA	16.519
TCGA-06-0680-11A	16.917	16.761	NA	16.237
TCGA-06-0681-11A	16.81	16.584	NA	16.123
TCGA-06-AABW-11A	15.115	15.188	NA	14.425

Availability of data: The primary clinical and molecular pathology characteristics parameters in glioma samples are available from the corresponding author on reasonable request.