

Table S3. 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'-tRF	9.4724	9.3014	4.3712	12.608
5P_tRNA-Pro-CGG-1-1	5'-tRF	8.8465	8.9272	5.0434	12.352
5P_tRNA-Gly-GCC-2-2	5'-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'-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'-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'-tRF	9.1669	9.0843	6.0445	12.21
5P_tRNA-Val-CAC-4-1	5'-tRF	9.2205	9.1197	5.0434	15.321
5P_tRNA-His-GTG-1-1	5'-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'-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'-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'-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'-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'-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'-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'-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