

# PANGLIOMA\_2016\_EXSEL

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```
## % censored cases (whole sample) = 63.76

##
##          astrocytoma          oligoastrocytoma
##              193              113
##          oligodendroglioma untreated primary (de novo) gbm
##              188              149

## no. of lgg cases = 494

## % gbm censored cases = 23.2 i.e. 31 out of 149
## % lgg censored cases = 76.8 i.e. 379 out of 494
## % astrocytoma censored cases = 30 i.e. 135 out of 193
## % oligoastrocytoma censored cases = 17.6 i.e. 98 out of 113
## % oligodendroglioma censored cases = 29.2 i.e. 146 out of 188
```

## PANGLIOMA (LGG+GBM) ANALYSIS

PANGLIOMA\_2016\_ALL (10 EPV):

```
##
## 0 1
## 410 233

## [1] "0 = alive, 1 = dead (event of study)"
## [1] "pmax = 24"

## lambda value_2016_ALL = 0.0587730586597268
```

Table 1: Model coefficients

	coef
RPL12	-0.0000613
USP34	-0.0000407
SPCS2	-0.0000385
HMP19	-0.0000286
OLIG2	-0.0000212
RPS27A	-0.0000163
RPL10	-0.0000121
FAM123C	-0.0000052
RPS6	-0.0000005
TUBB2B	0.0000002
PARP9	0.0000002

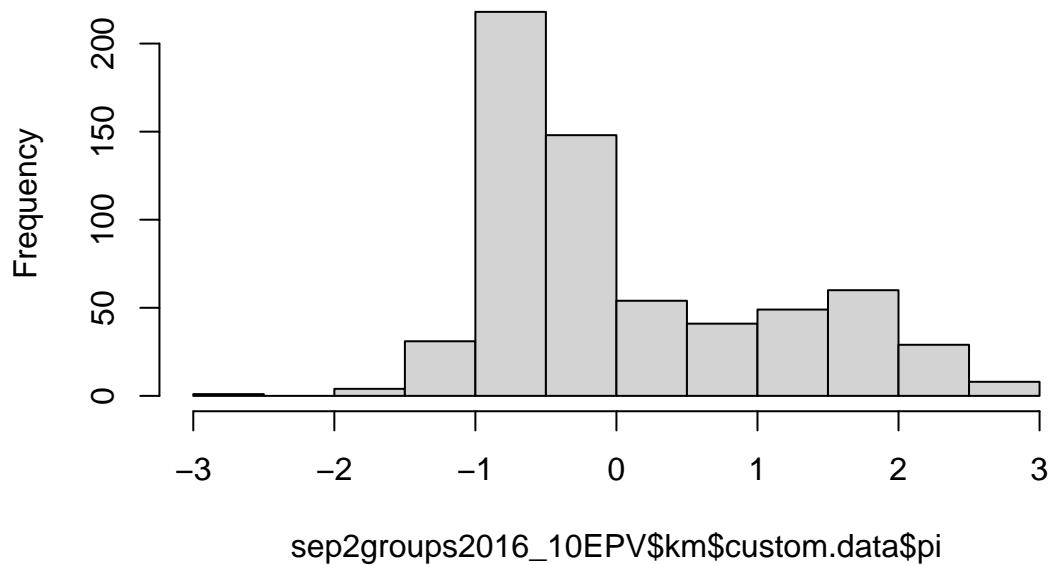
	coef
FCGR2A	0.0000050
ECT2	0.0000151
KLHL26	0.0000190
SLC15A3	0.0000369
CLIC1	0.0000746
CLEC18B	0.0002361
FANCD2	0.0002584
FAM115C	0.0004814
PABPC3	0.0005470
CLEC18A	0.0007719
CDC6	0.0009997
AURKA	0.0011624
OSCAR	0.0011688

## Number of variables of final model = 24

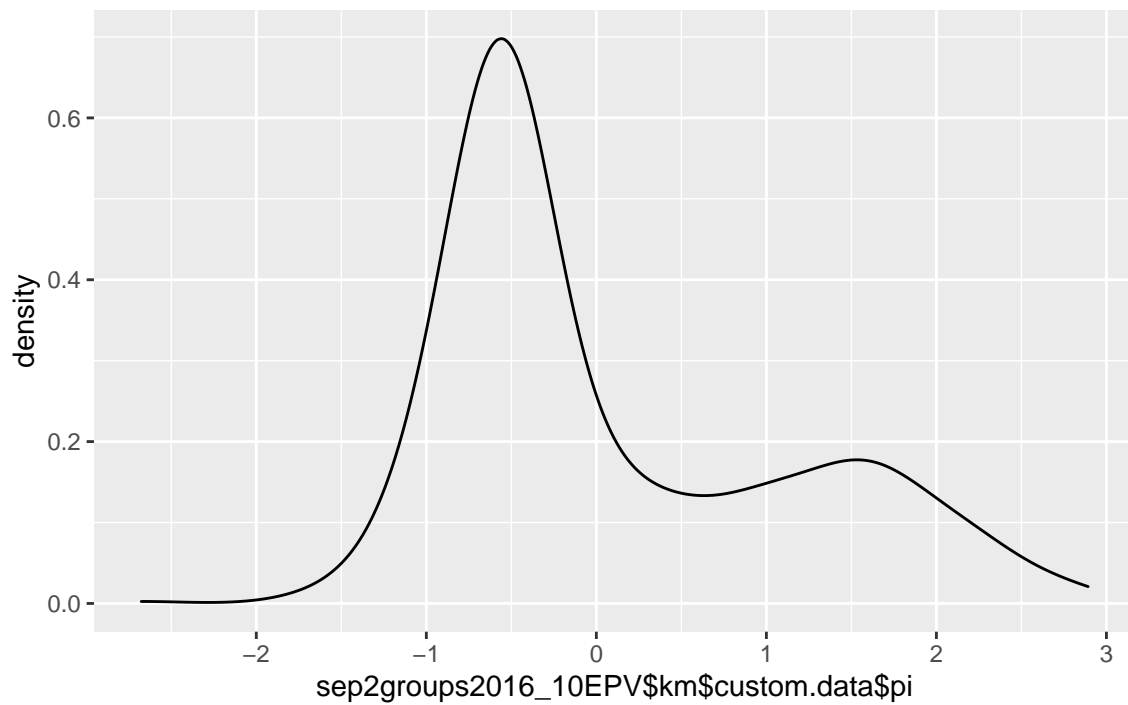
## Stratification of patients (High-/Low-risk group)

Prognostic Index (PI) distribution

**Histogram of sep2groups2016\_10EPV\$km\$custom.data\$pi**

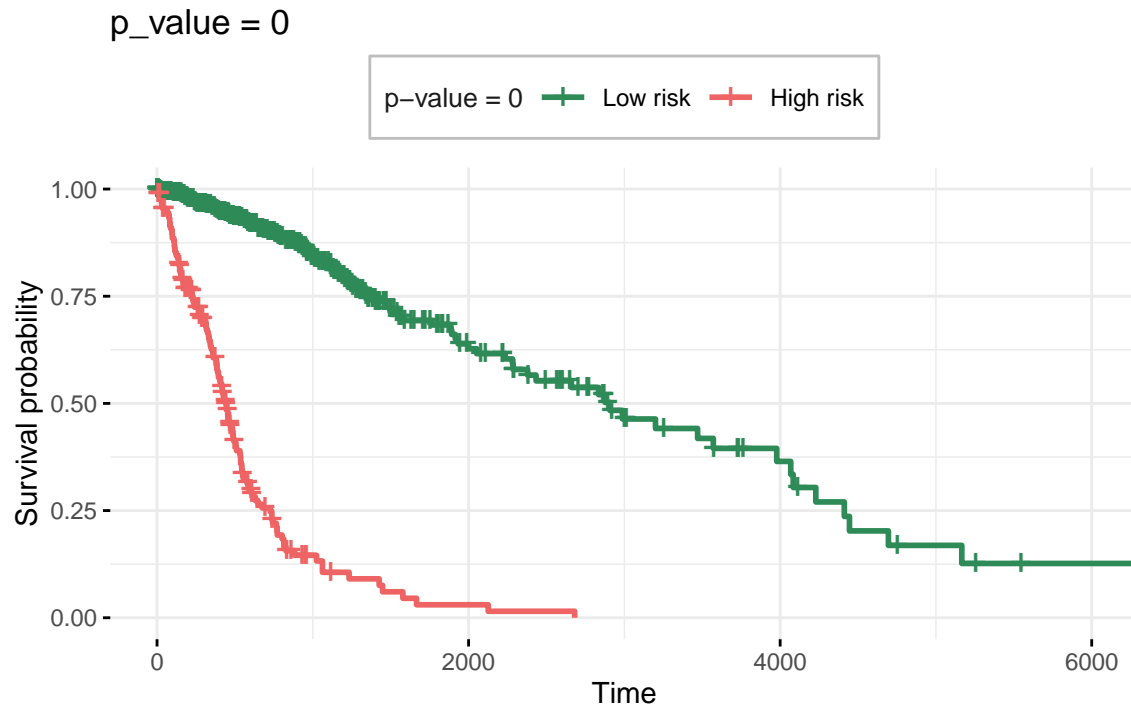


**Panglioma: Density of Prognostic Index**



### semi-automatic calculation of PI threshold

```
## [1] "PI_THRESHOLD = 0.6336278"
## [1] "Percentil = 0.7216"
## Call: survfit(formula = survival::Surv(time, status) ~ group, data = prognostic.index.df)
##
##           n events median 0.95LCL 0.95UCL
## Low risk  464     98   2907    2286   4068
## High risk  179    135    442     394    492
```



## Kaplan-Meier survival results

### Histologic group analysis based on stratified High-/Low-Risk Groups

#### Percentages

```
##
##           astrocytoma           oligoastrocytoma
##           193             113
##           oligodendroglioma untreated primary (de novo) gbm
##           188             149
```

#### LOW-RISK GROUP

```
## % GBM in Low-risk group: 0.647
## % LGG in Low-risk group: 99.353
## % Astrocytomas in Low-risk group: 36.422
## % oligodendroglioma in Low-risk group: 38.793
```

## % MIX\_or\_oligoastrocytoma in Low-risk group: 24.138

## HIGH-RISK GROUP

## % GBM in High-risk group: 81.564

## % LGG in High-risk group: 18.436

## % Astrocytomas in High-risk group: 13.408

## % oligodendroglioma in High-risk group: 4.469

## % MIX\_or\_oligoastrocytoma in High-risk group: 0.559

## FINAL TABLES

### ## LOW-RISK-PATIENTS

	Patient_ID	pi	time	status	group	histological_type
52	TCGA-06-5411	0.5258086	254	1	Low risk	untreated primary (de novo) gbm
58	TCGA-06-5417	0.5572245	155	0	Low risk	untreated primary (de novo) gbm
96	TCGA-26-1442	0.0485775	953	0	Low risk	untreated primary (de novo) gbm
150	TCGA-CS-4938	-0.4730319	3574	0	Low risk	astrocytoma
151	TCGA-CS-4941	0.3773416	234	1	Low risk	astrocytoma
152	TCGA-CS-4942	-0.3925740	1335	1	Low risk	astrocytoma
153	TCGA-CS-4943	0.1660883	1106	1	Low risk	astrocytoma
154	TCGA-CS-4944	-0.8326500	1828	0	Low risk	astrocytoma
155	TCGA-CS-5393	-0.8480443	1222	0	Low risk	astrocytoma
156	TCGA-CS-5394	-0.7437499	8	0	Low risk	astrocytoma
157	TCGA-CS-5395	0.4651385	639	1	Low risk	oligodendroglioma
158	TCGA-CS-5396	-0.4373961	1631	0	Low risk	oligodendroglioma
159	TCGA-CS-5397	0.4756969	194	1	Low risk	astrocytoma
161	TCGA-CS-6290	-0.3670376	1137	1	Low risk	astrocytoma
162	TCGA-CS-6665	-0.1393169	1568	0	Low risk	astrocytoma
163	TCGA-CS-6666	-0.3976168	1428	0	Low risk	astrocytoma
164	TCGA-CS-6667	-0.9980158	1469	0	Low risk	astrocytoma
165	TCGA-CS-6668	-0.9404607	1519	0	Low risk	oligodendroglioma
166	TCGA-CS-6669	-0.6013572	1494	0	Low risk	oligodendroglioma
167	TCGA-CS-6670	-0.7989630	1426	0	Low risk	oligodendroglioma
168	TCGA-DB-5270	-0.2474216	3733	0	Low risk	oligoastrocytoma
169	TCGA-DB-5273	-0.2544325	2493	0	Low risk	astrocytoma
170	TCGA-DB-5274	-2.6765161	2289	0	Low risk	oligoastrocytoma
171	TCGA-DB-5275	-0.6630170	1458	0	Low risk	oligoastrocytoma
172	TCGA-DB-5276	-0.1627942	2218	0	Low risk	oligoastrocytoma
173	TCGA-DB-5277	-0.3950503	1547	1	Low risk	astrocytoma
174	TCGA-DB-5278	-0.8778803	2772	0	Low risk	oligodendroglioma
175	TCGA-DB-5279	-0.5285104	1354	0	Low risk	oligodendroglioma
176	TCGA-DB-5280	-0.4584164	1112	0	Low risk	oligoastrocytoma
177	TCGA-DB-5281	-0.2945973	2381	0	Low risk	oligoastrocytoma
178	TCGA-DB-A4X9	-0.5319176	1412	0	Low risk	oligoastrocytoma
179	TCGA-DB-A4XA	-0.7875890	573	0	Low risk	oligoastrocytoma
180	TCGA-DB-A4XB	-0.4583092	919	0	Low risk	astrocytoma
181	TCGA-DB-A4XC	-0.3104834	1421	0	Low risk	oligoastrocytoma
182	TCGA-DB-A4XD	-0.6047816	1210	0	Low risk	astrocytoma
183	TCGA-DB-A4XE	-0.5086715	1139	0	Low risk	oligoastrocytoma

	Patient_ID	pi	time	status	group	histological_type
184	TCGA-DB-A4XF	-0.2976945	1021	0	Low risk	astrocytoma
185	TCGA-DB-A4XG	-0.7647922	2219	0	Low risk	oligodendroglioma
186	TCGA-DB-A4XH	-0.7702968	962	0	Low risk	oligoastrocytoma
187	TCGA-DB-A64L	-0.4982961	736	0	Low risk	oligodendroglioma
188	TCGA-DB-A64P	-0.3894469	916	0	Low risk	oligodendroglioma
189	TCGA-DB-A64Q	-0.5397655	182	0	Low risk	oligoastrocytoma
190	TCGA-DB-A64R	-0.9833130	955	0	Low risk	oligodendroglioma
191	TCGA-DB-A64S	-0.4338330	835	0	Low risk	oligoastrocytoma
192	TCGA-DB-A64U	-0.6732452	846	0	Low risk	oligoastrocytoma
193	TCGA-DB-A64V	-0.4731351	889	0	Low risk	oligodendroglioma
194	TCGA-DB-A64W	-0.4768033	438	1	Low risk	oligoastrocytoma
195	TCGA-DB-A64X	-1.0889600	563	0	Low risk	astrocytoma
196	TCGA-DB-A75K	-0.2947583	368	0	Low risk	oligoastrocytoma
197	TCGA-DB-A75L	-0.4161118	342	0	Low risk	astrocytoma
198	TCGA-DB-A75M	-0.4666652	544	0	Low risk	astrocytoma
199	TCGA-DB-A75O	-0.2752629	935	0	Low risk	astrocytoma
200	TCGA-DB-A75P	-0.0925078	492	0	Low risk	astrocytoma
201	TCGA-DH-5141	-0.9553201	968	0	Low risk	oligodendroglioma
202	TCGA-DH-5142	-0.1810835	1943	0	Low risk	astrocytoma
203	TCGA-DH-5143	-0.7287982	1401	0	Low risk	oligoastrocytoma
204	TCGA-DH-5144	-1.1978676	748	0	Low risk	oligodendroglioma
205	TCGA-DH-A669	0.4751955	919	1	Low risk	oligodendroglioma
206	TCGA-DH-A66B	-0.2791773	1279	0	Low risk	astrocytoma
207	TCGA-DH-A66D	-0.4029239	846	0	Low risk	astrocytoma
208	TCGA-DH-A66F	-0.5601537	523	0	Low risk	oligodendroglioma
209	TCGA-DH-A66G	-0.1388339	523	0	Low risk	oligodendroglioma
210	TCGA-DH-A7UR	-0.3924670	1650	0	Low risk	oligodendroglioma
211	TCGA-DH-A7US	-0.6972981	706	0	Low risk	oligodendroglioma
212	TCGA-DH-A7UT	-0.6966198	531	1	Low risk	astrocytoma
213	TCGA-DH-A7UU	-0.2664284	417	0	Low risk	astrocytoma
214	TCGA-DH-A7UV	-0.5011017	566	0	Low risk	astrocytoma
216	TCGA-DU-5849	-0.5140711	443	0	Low risk	oligodendroglioma
217	TCGA-DU-5851	-0.5466271	531	0	Low risk	oligoastrocytoma
218	TCGA-DU-5853	-0.6822244	407	0	Low risk	oligoastrocytoma
219	TCGA-DU-5854	0.2356225	257	0	Low risk	astrocytoma
220	TCGA-DU-5855	-0.6117933	207	0	Low risk	oligoastrocytoma
221	TCGA-DU-5870	-0.6538568	5546	0	Low risk	oligodendroglioma
222	TCGA-DU-5871	-0.6275978	576	0	Low risk	oligoastrocytoma
223	TCGA-DU-5872	-0.6367887	532	0	Low risk	oligoastrocytoma
224	TCGA-DU-5874	-0.6553858	461	0	Low risk	oligodendroglioma
225	TCGA-DU-6392	-0.0864364	6423	0	Low risk	astrocytoma
226	TCGA-DU-6393	-0.3571375	1585	1	Low risk	oligodendroglioma
227	TCGA-DU-6394	-0.3617004	682	1	Low risk	oligodendroglioma
228	TCGA-DU-6395	-0.5935086	1491	1	Low risk	oligoastrocytoma
229	TCGA-DU-6396	-0.0991131	2286	1	Low risk	oligoastrocytoma
230	TCGA-DU-6397	-0.6204165	1401	1	Low risk	oligodendroglioma
231	TCGA-DU-6399	-0.5281241	2000	1	Low risk	oligodendroglioma
232	TCGA-DU-6400	-0.9463954	37	1	Low risk	oligodendroglioma
233	TCGA-DU-6401	-0.8108490	2660	1	Low risk	oligodendroglioma
235	TCGA-DU-6404	-0.3234073	4068	1	Low risk	oligodendroglioma
237	TCGA-DU-6407	-0.5068452	2875	1	Low risk	oligodendroglioma
238	TCGA-DU-6408	-0.4803636	3470	1	Low risk	oligodendroglioma

	Patient_ID	pi	time	status	group	histological_type
239	TCGA-DU-6410	-1.0630848	242	0	Low risk	oligodendroglioma
241	TCGA-DU-7007	-0.3052222	1915	1	Low risk	astrocytoma
242	TCGA-DU-7008	-0.8702702	4752	0	Low risk	oligodendroglioma
243	TCGA-DU-7009	-0.7027447	4695	1	Low risk	oligodendroglioma
244	TCGA-DU-7010	0.0580960	456	1	Low risk	astrocytoma
245	TCGA-DU-7011	-0.4947893	3200	1	Low risk	oligoastrocytoma
246	TCGA-DU-7012	0.4557205	199	1	Low risk	astrocytoma
248	TCGA-DU-7014	-1.1677031	3571	1	Low risk	oligodendroglioma
249	TCGA-DU-7015	-0.5721577	2761	0	Low risk	oligodendroglioma
250	TCGA-DU-7018	-1.3569499	933	1	Low risk	oligodendroglioma
251	TCGA-DU-7019	-0.6709239	800	0	Low risk	oligoastrocytoma
253	TCGA-DU-7292	0.2072567	242	1	Low risk	astrocytoma
254	TCGA-DU-7294	-1.3418884	2869	0	Low risk	oligodendroglioma
255	TCGA-DU-7298	-0.5351753	576	1	Low risk	astrocytoma
256	TCGA-DU-7299	-0.7883414	1339	1	Low risk	astrocytoma
257	TCGA-DU-7300	-0.6212004	1886	1	Low risk	oligodendroglioma
258	TCGA-DU-7301	-0.5127559	788	1	Low risk	oligodendroglioma
259	TCGA-DU-7302	-0.6365930	1834	0	Low risk	oligodendroglioma
260	TCGA-DU-7304	-0.2929322	709	1	Low risk	oligoastrocytoma
261	TCGA-DU-7306	-0.4591863	1277	0	Low risk	oligoastrocytoma
262	TCGA-DU-7309	-0.5708292	84	0	Low risk	oligodendroglioma
263	TCGA-DU-8158	0.2052777	155	1	Low risk	astrocytoma
264	TCGA-DU-8163	-0.3399889	629	0	Low risk	oligoastrocytoma
265	TCGA-DU-8164	-0.8050618	651	0	Low risk	oligodendroglioma
267	TCGA-DU-8166	-0.6635738	516	0	Low risk	oligoastrocytoma
268	TCGA-DU-8167	-0.6398429	471	0	Low risk	oligoastrocytoma
269	TCGA-DU-8168	-0.4658434	431	0	Low risk	oligodendroglioma
270	TCGA-DU-A5TP	0.2080648	1012	0	Low risk	astrocytoma
271	TCGA-DU-A5TR	0.4280386	908	0	Low risk	oligoastrocytoma
272	TCGA-DU-A5TS	-0.9177786	964	0	Low risk	oligodendroglioma
273	TCGA-DU-A5TT	0.0949960	743	0	Low risk	oligodendroglioma
274	TCGA-DU-A5TU	-0.5520368	796	0	Low risk	astrocytoma
275	TCGA-DU-A5TW	-0.7391996	760	0	Low risk	astrocytoma
276	TCGA-DU-A5TY	0.5555308	1033	1	Low risk	astrocytoma
277	TCGA-DU-A6S2	-0.5242299	777	0	Low risk	oligodendroglioma
278	TCGA-DU-A6S3	-0.9978792	656	0	Low risk	oligodendroglioma
279	TCGA-DU-A6S6	-0.6055212	2893	0	Low risk	oligoastrocytoma
280	TCGA-DU-A6S7	-0.2718426	638	0	Low risk	astrocytoma
281	TCGA-DU-A6S8	-0.8221801	678	0	Low risk	oligodendroglioma
282	TCGA-DU-A76K	-0.0008111	347	1	Low risk	oligodendroglioma
284	TCGA-DU-A76O	-0.6541986	522	0	Low risk	astrocytoma
285	TCGA-DU-A76R	-0.4328270	648	1	Low risk	oligodendroglioma
286	TCGA-DU-A7T6	-0.1848856	547	1	Low risk	oligodendroglioma
287	TCGA-DU-A7T8	-0.6787198	4229	1	Low risk	oligoastrocytoma
288	TCGA-DU-A7TA	-0.3444955	2565	0	Low risk	oligodendroglioma
289	TCGA-DU-A7TB	-0.3720169	1567	0	Low risk	oligodendroglioma
290	TCGA-DU-A7TC	-0.7547166	1137	0	Low risk	astrocytoma
291	TCGA-DU-A7TG	-0.2495294	1351	1	Low risk	oligodendroglioma
292	TCGA-DU-A7TI	-0.4305277	1183	1	Low risk	astrocytoma
294	TCGA-E1-5302	-0.2912706	1525	1	Low risk	astrocytoma
295	TCGA-E1-5303	0.0269638	2052	1	Low risk	astrocytoma
296	TCGA-E1-5304	0.6291517	1251	1	Low risk	astrocytoma

	Patient_ID	pi	time	status	group	histological_type
297	TCGA-E1-5305	-0.4944252	2433	1	Low risk	astrocytoma
298	TCGA-E1-5307	-0.6828366	1762	1	Low risk	astrocytoma
299	TCGA-E1-5311	-0.8259158	4084	1	Low risk	oligodendroglioma
300	TCGA-E1-5318	-1.1739966	2379	1	Low risk	oligodendroglioma
301	TCGA-E1-5319	-0.6971115	2907	1	Low risk	oligodendroglioma
302	TCGA-E1-5322	-0.6403207	3978	1	Low risk	oligoastrocytoma
304	TCGA-E1-A7YE	0.4338762	886	1	Low risk	astrocytoma
305	TCGA-E1-A7YH	-0.5007529	2835	1	Low risk	astrocytoma
307	TCGA-E1-A7YJ	0.6278982	592	1	Low risk	astrocytoma
308	TCGA-E1-A7YK	0.1561706	378	1	Low risk	astrocytoma
310	TCGA-E1-A7YM	0.0776605	648	1	Low risk	astrocytoma
312	TCGA-E1-A7YO	-0.5142317	2282	1	Low risk	oligodendroglioma
314	TCGA-E1-A7YS	-0.3008802	466	1	Low risk	oligodendroglioma
315	TCGA-E1-A7YU	-0.6263551	23	1	Low risk	oligoastrocytoma
316	TCGA-E1-A7YV	0.2898810	987	1	Low risk	oligoastrocytoma
317	TCGA-E1-A7YW	-0.5293600	1120	1	Low risk	oligoastrocytoma
318	TCGA-E1-A7YY	-0.3170596	4445	1	Low risk	oligodendroglioma
319	TCGA-E1-A7Z2	0.0177737	398	1	Low risk	oligodendroglioma
320	TCGA-E1-A7Z3	-0.2832325	2235	1	Low risk	astrocytoma
321	TCGA-E1-A7Z4	-0.4972560	4412	1	Low risk	astrocytoma
322	TCGA-E1-A7Z6	-0.4778761	984	1	Low risk	astrocytoma
323	TCGA-EZ-7264	-0.7611501	1201	0	Low risk	oligodendroglioma
324	TCGA-F6-A8O3	-1.0533363	7	0	Low risk	oligodendroglioma
325	TCGA-F6-A8O4	-0.5574750	6	0	Low risk	astrocytoma
326	TCGA-FG-5962	-0.5340485	1453	0	Low risk	oligodendroglioma
327	TCGA-FG-5963	0.4237675	775	1	Low risk	astrocytoma
328	TCGA-FG-5964	-0.7553969	1588	0	Low risk	oligodendroglioma
329	TCGA-FG-5965	-0.4421560	1120	1	Low risk	oligoastrocytoma
330	TCGA-FG-6688	0.5544437	571	0	Low risk	astrocytoma
331	TCGA-FG-6689	-0.7082434	454	0	Low risk	astrocytoma
332	TCGA-FG-6690	-0.7307638	1294	0	Low risk	oligodendroglioma
333	TCGA-FG-6691	-0.4290933	1257	0	Low risk	astrocytoma
335	TCGA-FG-7634	-0.0875309	467	0	Low risk	oligodendroglioma
336	TCGA-FG-7636	-1.0540654	544	0	Low risk	astrocytoma
337	TCGA-FG-7637	-1.0325489	1219	0	Low risk	oligoastrocytoma
338	TCGA-FG-7638	-0.7595957	686	0	Low risk	oligodendroglioma
339	TCGA-FG-7641	-0.5833397	627	0	Low risk	oligodendroglioma
340	TCGA-FG-8182	-0.5996531	416	0	Low risk	oligodendroglioma
341	TCGA-FG-8185	-1.0421508	433	0	Low risk	astrocytoma
342	TCGA-FG-8186	-0.4050352	487	0	Low risk	oligoastrocytoma
343	TCGA-FG-8187	-0.5300017	611	0	Low risk	oligoastrocytoma
344	TCGA-FG-8188	-0.5290421	455	0	Low risk	oligoastrocytoma
345	TCGA-FG-8189	-0.3961715	685	0	Low risk	oligodendroglioma
346	TCGA-FG-8191	-0.5891223	992	0	Low risk	oligodendroglioma
347	TCGA-FG-A4MT	-0.9966253	1164	0	Low risk	oligodendroglioma
348	TCGA-FG-A4MX	-0.8949841	569	0	Low risk	astrocytoma
349	TCGA-FG-A4MY	-0.6712542	721	0	Low risk	oligoastrocytoma
350	TCGA-FG-A60J	-0.6342214	449	0	Low risk	oligoastrocytoma
351	TCGA-FG-A60K	-0.8341372	542	0	Low risk	oligoastrocytoma
352	TCGA-FG-A60L	-0.8841103	655	0	Low risk	astrocytoma
353	TCGA-FG-A6IZ	-1.5895832	457	0	Low risk	oligodendroglioma
354	TCGA-FG-A6J1	-1.7764746	500	0	Low risk	oligodendroglioma



	Patient_ID	pi	time	status	group	histological_type
355	TCGA-FG-A6J3	0.0409450	677	0	Low risk	astrocytoma
356	TCGA-FG-A70Y	-0.5742585	868	0	Low risk	oligodendroglioma
357	TCGA-FG-A710	-0.5187733	1115	0	Low risk	oligodendroglioma
358	TCGA-FG-A711	-0.5998065	1481	1	Low risk	oligodendroglioma
359	TCGA-FG-A713	-0.4371537	622	0	Low risk	oligoastrocytoma
360	TCGA-FG-A87N	0.0187613	567	0	Low risk	astrocytoma
361	TCGA-FG-A87Q	0.2967359	174	0	Low risk	astrocytoma
362	TCGA-FN-7833	0.0517038	837	0	Low risk	oligoastrocytoma
363	TCGA-HT-7467	-0.4190628	3	0	Low risk	oligodendroglioma
364	TCGA-HT-7468	-0.7591163	203	0	Low risk	oligodendroglioma
365	TCGA-HT-7469	0.1190080	351	1	Low risk	oligodendroglioma
366	TCGA-HT-7470	-0.5988379	1220	1	Low risk	oligodendroglioma
367	TCGA-HT-7471	-0.2629798	4	0	Low risk	oligodendroglioma
368	TCGA-HT-7472	-0.4047770	1	0	Low risk	oligodendroglioma
369	TCGA-HT-7473	-0.0305024	503	0	Low risk	oligoastrocytoma
370	TCGA-HT-7474	-0.4878980	114	0	Low risk	oligoastrocytoma
371	TCGA-HT-7475	-0.6679464	530	0	Low risk	oligoastrocytoma
372	TCGA-HT-7476	-0.5472144	199	0	Low risk	astrocytoma
374	TCGA-HT-7478	-0.5450511	194	0	Low risk	astrocytoma
375	TCGA-HT-7479	-0.4918930	1227	0	Low risk	astrocytoma
376	TCGA-HT-7480	-0.8310218	2287	0	Low risk	oligodendroglioma
377	TCGA-HT-7481	-0.3670476	2918	0	Low risk	oligodendroglioma
378	TCGA-HT-7482	-0.4672858	3253	0	Low risk	oligoastrocytoma
379	TCGA-HT-7483	-0.6278683	5255	0	Low risk	oligoastrocytoma
380	TCGA-HT-7485	-0.4255259	122	0	Low risk	astrocytoma
381	TCGA-HT-7601	0.0308614	153	0	Low risk	astrocytoma
382	TCGA-HT-7602	-0.4874704	908	0	Low risk	oligodendroglioma
383	TCGA-HT-7603	-0.7574394	705	0	Low risk	oligodendroglioma
384	TCGA-HT-7604	-0.5547813	3725	0	Low risk	astrocytoma
385	TCGA-HT-7605	-0.6082495	139	0	Low risk	oligodendroglioma
386	TCGA-HT-7606	-0.0640801	526	0	Low risk	astrocytoma
387	TCGA-HT-7607	-0.3890647	96	1	Low risk	astrocytoma
388	TCGA-HT-7608	-0.4798233	671	0	Low risk	oligoastrocytoma
389	TCGA-HT-7609	-0.9028756	1399	0	Low risk	oligoastrocytoma
390	TCGA-HT-7610	-0.6632898	1706	0	Low risk	oligoastrocytoma
391	TCGA-HT-7611	-0.4411001	1752	0	Low risk	oligoastrocytoma
392	TCGA-HT-7616	-0.2792839	7	1	Low risk	oligodendroglioma
393	TCGA-HT-7620	-0.4755007	434	0	Low risk	oligodendroglioma
394	TCGA-HT-7676	-0.7929762	5	0	Low risk	oligodendroglioma
395	TCGA-HT-7677	-0.7017045	494	0	Low risk	oligodendroglioma
396	TCGA-HT-7680	-0.2103214	23	0	Low risk	astrocytoma
397	TCGA-HT-7681	-0.6600035	1359	0	Low risk	oligoastrocytoma
398	TCGA-HT-7684	-1.0600360	184	0	Low risk	oligoastrocytoma
399	TCGA-HT-7686	-0.5629241	1300	0	Low risk	astrocytoma
400	TCGA-HT-7687	-0.7564004	3	0	Low risk	oligodendroglioma
401	TCGA-HT-7688	-0.5497773	964	0	Low risk	oligodendroglioma
402	TCGA-HT-7689	-0.6274972	455	0	Low risk	oligodendroglioma
403	TCGA-HT-7690	-0.4049195	3	0	Low risk	oligoastrocytoma
404	TCGA-HT-7691	-0.1232864	3	0	Low risk	astrocytoma
405	TCGA-HT-7692	-0.6457562	90	0	Low risk	oligoastrocytoma
406	TCGA-HT-7693	0.1543914	533	0	Low risk	oligodendroglioma
407	TCGA-HT-7694	-0.4108245	210	0	Low risk	oligodendroglioma

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408	TCGA-HT-7695	-0.5870903	442	0	Low risk	oligodendroglioma
409	TCGA-HT-7854	-0.1871263	1201	0	Low risk	astrocytoma
410	TCGA-HT-7855	-0.6983629	585	0	Low risk	astrocytoma
411	TCGA-HT-7856	-0.3890875	1189	0	Low risk	oligodendroglioma
413	TCGA-HT-7858	-0.5498814	1540	0	Low risk	astrocytoma
414	TCGA-HT-7860	0.4586674	15	0	Low risk	astrocytoma
415	TCGA-HT-7873	-0.4103455	718	0	Low risk	oligoastrocytoma
416	TCGA-HT-7874	-0.4963492	1130	0	Low risk	oligodendroglioma
417	TCGA-HT-7875	-0.8183087	10	0	Low risk	oligodendroglioma
418	TCGA-HT-7877	-0.6087177	4	0	Low risk	oligodendroglioma
419	TCGA-HT-7879	-0.5366217	112	0	Low risk	oligoastrocytoma
420	TCGA-HT-7880	-0.3979494	162	0	Low risk	oligoastrocytoma
421	TCGA-HT-7881	-0.5496042	1079	0	Low risk	oligodendroglioma
423	TCGA-HT-7884	-0.7416930	343	0	Low risk	astrocytoma
424	TCGA-HT-7902	-0.2748203	956	0	Low risk	oligoastrocytoma
425	TCGA-HT-8010	-0.4723802	50	0	Low risk	oligodendroglioma
427	TCGA-HT-8012	-1.0174663	286	0	Low risk	oligodendroglioma
428	TCGA-HT-8013	-0.0560152	1933	1	Low risk	oligoastrocytoma
429	TCGA-HT-8015	-0.2499050	3	0	Low risk	astrocytoma
430	TCGA-HT-8018	-0.2372897	1152	1	Low risk	oligoastrocytoma
431	TCGA-HT-8019	-0.3558394	1004	0	Low risk	oligodendroglioma
433	TCGA-HT-8105	-0.5212895	190	0	Low risk	oligodendroglioma
434	TCGA-HT-8106	0.4353085	3	0	Low risk	astrocytoma
435	TCGA-HT-8107	-0.1734603	14	0	Low risk	oligodendroglioma
436	TCGA-HT-8108	-0.5512086	76	0	Low risk	oligodendroglioma
437	TCGA-HT-8109	-0.4859147	169	0	Low risk	oligodendroglioma
439	TCGA-HT-8111	-0.4050622	7	0	Low risk	oligoastrocytoma
440	TCGA-HT-8113	-0.3617388	900	0	Low risk	oligodendroglioma
441	TCGA-HT-8114	-0.3727515	1040	0	Low risk	oligoastrocytoma
442	TCGA-HT-8558	-0.3779409	418	0	Low risk	oligodendroglioma
444	TCGA-HT-8564	-0.3085766	478	0	Low risk	astrocytoma
445	TCGA-HT-A4DS	0.1829678	7	0	Low risk	astrocytoma
446	TCGA-HT-A4DV	-0.6143625	792	0	Low risk	oligodendroglioma
447	TCGA-HT-A5R5	-0.0506521	4	0	Low risk	oligodendroglioma
448	TCGA-HT-A5R7	-0.3205285	615	0	Low risk	astrocytoma
449	TCGA-HT-A5R9	-0.9962451	2	0	Low risk	oligodendroglioma
451	TCGA-HT-A5RB	-0.7435394	3	0	Low risk	astrocytoma
452	TCGA-HT-A5RC	0.4430684	162	1	Low risk	astrocytoma
453	TCGA-HT-A614	-0.6610904	82	0	Low risk	oligoastrocytoma
454	TCGA-HT-A615	-0.5335675	515	0	Low risk	oligodendroglioma
455	TCGA-HT-A616	-0.3902947	55	0	Low risk	astrocytoma
456	TCGA-HT-A617	0.4728959	491	0	Low risk	oligodendroglioma
457	TCGA-HT-A618	-0.1937500	512	0	Low risk	astrocytoma
458	TCGA-HT-A619	-1.2389667	651	0	Low risk	oligodendroglioma
459	TCGA-HT-A61A	-0.5461133	194	0	Low risk	oligodendroglioma
460	TCGA-HT-A61B	0.2456231	533	0	Low risk	astrocytoma
462	TCGA-HT-A74H	0.5160977	74	0	Low risk	astrocytoma
463	TCGA-HT-A74J	-0.3547448	320	0	Low risk	oligoastrocytoma
464	TCGA-HT-A74K	-1.1902747	467	0	Low risk	oligodendroglioma
465	TCGA-HT-A74L	-0.4936871	336	0	Low risk	oligoastrocytoma
466	TCGA-HT-A74O	-0.2240222	3	0	Low risk	astrocytoma
467	TCGA-HW-7486	-0.6506597	1721	0	Low risk	oligodendroglioma

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468	TCGA-HW-7487	-0.8429787	1382	0	Low risk	oligodendroglioma
469	TCGA-HW-7489	-0.5713294	1262	1	Low risk	oligoastrocytoma
470	TCGA-HW-7490	-0.6024690	1387	0	Low risk	astrocytoma
471	TCGA-HW-7491	-1.1888830	2078	0	Low risk	oligodendroglioma
472	TCGA-HW-7493	-0.4773803	2107	0	Low risk	astrocytoma
473	TCGA-HW-7495	-0.5789585	1078	0	Low risk	oligodendroglioma
474	TCGA-HW-8319	-0.4461997	1209	1	Low risk	astrocytoma
475	TCGA-HW-8320	-0.7558974	1217	0	Low risk	astrocytoma
476	TCGA-HW-8321	-0.7366661	1294	0	Low risk	astrocytoma
477	TCGA-HW-8322	-0.7123623	758	0	Low risk	oligodendroglioma
478	TCGA-HW-A5KJ	-1.4445816	962	1	Low risk	oligodendroglioma
479	TCGA-HW-A5KK	0.3811714	388	1	Low risk	astrocytoma
480	TCGA-HW-A5KL	-0.8034407	878	0	Low risk	astrocytoma
481	TCGA-HW-A5KM	0.0100089	630	0	Low risk	astrocytoma
482	TCGA-IK-7675	-0.3730010	578	1	Low risk	oligodendroglioma
483	TCGA-IK-8125	-0.8775260	1301	0	Low risk	oligoastrocytoma
484	TCGA-KT-A74X	-0.9120979	438	0	Low risk	oligoastrocytoma
486	TCGA-P5-A5EV	-0.6428922	7	0	Low risk	astrocytoma
487	TCGA-P5-A5EW	-0.4825744	204	0	Low risk	astrocytoma
488	TCGA-P5-A5EX	0.1643359	243	0	Low risk	oligodendroglioma
489	TCGA-P5-A5EY	-0.3829355	72	0	Low risk	astrocytoma
490	TCGA-P5-A5EZ	-0.4889527	70	0	Low risk	astrocytoma
491	TCGA-P5-A5F0	-0.6309304	287	0	Low risk	oligodendroglioma
492	TCGA-P5-A5F1	-0.2710574	179	0	Low risk	astrocytoma
493	TCGA-P5-A5F2	-0.4191521	242	0	Low risk	astrocytoma
494	TCGA-P5-A5F4	-0.6243664	231	0	Low risk	oligodendroglioma
495	TCGA-P5-A5F6	0.0520299	39	0	Low risk	oligodendroglioma
497	TCGA-P5-A72W	-1.1488754	317	0	Low risk	astrocytoma
498	TCGA-P5-A72X	-0.4640800	403	0	Low risk	astrocytoma
499	TCGA-P5-A72Z	-0.5233011	354	0	Low risk	oligodendroglioma
500	TCGA-P5-A730	-0.5734877	333	0	Low risk	oligoastrocytoma
501	TCGA-P5-A731	-0.1664565	274	0	Low risk	oligoastrocytoma
502	TCGA-P5-A733	-0.6283997	414	0	Low risk	astrocytoma
503	TCGA-P5-A735	-0.9488909	292	0	Low risk	astrocytoma
504	TCGA-P5-A736	-0.0162207	230	0	Low risk	astrocytoma
505	TCGA-P5-A737	-0.7218971	372	0	Low risk	oligoastrocytoma
506	TCGA-P5-A77W	-1.4203050	584	0	Low risk	oligoastrocytoma
507	TCGA-P5-A77X	-0.6125394	105	0	Low risk	oligoastrocytoma
508	TCGA-P5-A780	-0.8533925	72	0	Low risk	astrocytoma
509	TCGA-P5-A781	-0.6271496	134	0	Low risk	astrocytoma
510	TCGA-QH-A65R	-1.0794987	461	0	Low risk	oligodendroglioma
511	TCGA-QH-A65S	-0.8000806	77	0	Low risk	oligoastrocytoma
512	TCGA-QH-A65V	-0.5516295	384	0	Low risk	oligodendroglioma
513	TCGA-QH-A65X	-1.2819388	482	0	Low risk	oligoastrocytoma
514	TCGA-QH-A65Z	-0.8420041	427	0	Low risk	oligodendroglioma
515	TCGA-QH-A6CS	-0.0178945	588	0	Low risk	astrocytoma
516	TCGA-QH-A6CU	-0.4258486	451	0	Low risk	oligodendroglioma
517	TCGA-QH-A6CW	-0.3372468	414	0	Low risk	oligoastrocytoma
518	TCGA-QH-A6CX	0.2288067	372	1	Low risk	astrocytoma
519	TCGA-QH-A6CY	-0.6352177	408	0	Low risk	oligoastrocytoma
520	TCGA-QH-A6CZ	-0.8044806	279	0	Low risk	oligoastrocytoma
521	TCGA-QH-A6X3	-0.4844124	313	0	Low risk	oligoastrocytoma

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522	TCGA-QH-A6X4	-0.6050706	442	0	Low risk	oligoastrocytoma
523	TCGA-QH-A6X5	-0.7979114	497	0	Low risk	oligoastrocytoma
524	TCGA-QH-A6X8	-0.5346161	509	0	Low risk	oligodendroglioma
525	TCGA-QH-A6X9	-0.5423593	58	0	Low risk	oligodendroglioma
526	TCGA-QH-A6XA	-0.6724485	502	0	Low risk	oligoastrocytoma
527	TCGA-QH-A6XC	0.3738917	508	0	Low risk	astrocytoma
528	TCGA-QH-A86X	-0.8337728	337	0	Low risk	oligodendroglioma
529	TCGA-QH-A870	-0.4140897	395	0	Low risk	oligoastrocytoma
530	TCGA-R8-A6MK	-0.4525014	2702	0	Low risk	oligodendroglioma
531	TCGA-R8-A6ML	-0.8976784	2860	0	Low risk	oligodendroglioma
532	TCGA-R8-A6MO	-0.9448982	993	0	Low risk	oligodendroglioma
533	TCGA-R8-A73M	-1.5128838	1806	0	Low risk	oligodendroglioma
534	TCGA-RY-A83X	-0.5731629	939	0	Low risk	oligodendroglioma
535	TCGA-RY-A83Y	-1.0607363	166	0	Low risk	oligodendroglioma
536	TCGA-RY-A83Z	-0.3545902	301	0	Low risk	astrocytoma
537	TCGA-RY-A840	-0.8732000	854	0	Low risk	oligodendroglioma
538	TCGA-RY-A843	-0.3782151	63	0	Low risk	astrocytoma
539	TCGA-RY-A845	-0.8302984	596	0	Low risk	oligoastrocytoma
540	TCGA-RY-A847	-0.6248148	933	0	Low risk	oligodendroglioma
541	TCGA-S9-A6TS	-0.5448126	1891	1	Low risk	astrocytoma
542	TCGA-S9-A6TU	-0.7347618	2650	0	Low risk	astrocytoma
543	TCGA-S9-A6TV	0.4253873	571	0	Low risk	oligoastrocytoma
544	TCGA-S9-A6TW	-0.9786299	1250	0	Low risk	oligodendroglioma
545	TCGA-S9-A6TX	-0.6888386	1245	0	Low risk	oligodendroglioma
546	TCGA-S9-A6TY	-0.6319092	1076	0	Low risk	oligodendroglioma
547	TCGA-S9-A6TZ	-0.6138567	1120	0	Low risk	astrocytoma
549	TCGA-S9-A6U1	-0.4638701	785	0	Low risk	astrocytoma
550	TCGA-S9-A6U2	-0.6873798	908	0	Low risk	oligodendroglioma
551	TCGA-S9-A6U5	-0.5620752	992	0	Low risk	astrocytoma
552	TCGA-S9-A6U6	-0.7349235	1069	0	Low risk	astrocytoma
553	TCGA-S9-A6U8	-0.5394185	2988	1	Low risk	astrocytoma
554	TCGA-S9-A6U9	-0.2905278	2918	0	Low risk	astrocytoma
555	TCGA-S9-A6UA	0.6190556	178	1	Low risk	astrocytoma
556	TCGA-S9-A6UB	-0.8305933	3761	0	Low risk	oligodendroglioma
557	TCGA-S9-A6WD	-0.8438859	2289	0	Low risk	oligodendroglioma
558	TCGA-S9-A6WE	-1.2794026	4113	0	Low risk	oligodendroglioma
559	TCGA-S9-A6WG	0.3110711	2602	0	Low risk	astrocytoma
560	TCGA-S9-A6WH	-1.1067561	1173	0	Low risk	oligoastrocytoma
561	TCGA-S9-A6WI	-0.4597011	2585	0	Low risk	oligoastrocytoma
562	TCGA-S9-A6WL	-0.4178034	946	0	Low risk	astrocytoma
564	TCGA-S9-A6WN	0.1129271	805	0	Low risk	astrocytoma
565	TCGA-S9-A6WO	-0.6604599	566	0	Low risk	astrocytoma
566	TCGA-S9-A6WP	-0.7210096	567	0	Low risk	oligoastrocytoma
567	TCGA-S9-A6WQ	-0.6005132	428	0	Low risk	oligoastrocytoma
568	TCGA-S9-A7IQ	-0.4641982	1099	0	Low risk	oligoastrocytoma
570	TCGA-S9-A7IX	0.4279991	819	1	Low risk	astrocytoma
571	TCGA-S9-A7IY	-0.4391768	715	0	Low risk	oligoastrocytoma
572	TCGA-S9-A7IZ	-0.2851245	608	0	Low risk	astrocytoma
574	TCGA-S9-A7J1	-0.5242352	249	0	Low risk	oligodendroglioma
575	TCGA-S9-A7J2	-0.7893922	62	0	Low risk	oligodendroglioma
576	TCGA-S9-A7J3	-0.7754124	629	0	Low risk	oligodendroglioma
577	TCGA-S9-A7QW	-1.1280182	458	0	Low risk	astrocytoma

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578	TCGA-S9-A7QX	-0.8574647	564	0	Low risk	astrocytoma
579	TCGA-S9-A7QY	-0.5883489	863	0	Low risk	oligoastrocytoma
580	TCGA-S9-A7QZ	-0.8526319	826	0	Low risk	oligodendroglioma
581	TCGA-S9-A7R1	-0.9107751	5166	1	Low risk	oligodendroglioma
582	TCGA-S9-A7R2	0.0785238	316	1	Low risk	astrocytoma
583	TCGA-S9-A7R3	-0.4094538	3013	0	Low risk	astrocytoma
584	TCGA-S9-A7R4	-0.7257618	914	0	Low risk	astrocytoma
585	TCGA-S9-A7R7	0.3367043	3000	0	Low risk	astrocytoma
586	TCGA-S9-A7R8	-0.5484517	961	1	Low risk	astrocytoma
587	TCGA-S9-A89V	-0.3918928	569	0	Low risk	astrocytoma
588	TCGA-S9-A89Z	0.0283873	623	0	Low risk	astrocytoma
590	TCGA-TM-A7C4	-0.5362981	1470	0	Low risk	astrocytoma
591	TCGA-TM-A7C5	-1.1717751	1500	0	Low risk	oligoastrocytoma
592	TCGA-TM-A7CA	-0.8042091	1058	0	Low risk	astrocytoma
593	TCGA-TM-A7CF	-0.5879397	1989	0	Low risk	astrocytoma
594	TCGA-TM-A84B	0.2461927	758	1	Low risk	astrocytoma
595	TCGA-TM-A84C	0.0674952	492	1	Low risk	astrocytoma
596	TCGA-TM-A84F	-0.3805269	1796	0	Low risk	astrocytoma
597	TCGA-TM-A84G	-1.0639775	1236	0	Low risk	oligodendroglioma
598	TCGA-TM-A84H	-0.7073633	926	0	Low risk	oligoastrocytoma
599	TCGA-TM-A84I	-0.1653476	854	0	Low risk	astrocytoma
600	TCGA-TM-A84J	0.1336581	735	0	Low risk	oligodendroglioma
601	TCGA-TM-A84L	-0.3607268	1242	1	Low risk	oligoastrocytoma
602	TCGA-TM-A84M	-0.7028042	754	0	Low risk	oligodendroglioma
603	TCGA-TM-A84O	-0.4077845	1011	1	Low risk	oligodendroglioma
604	TCGA-TM-A84Q	-0.4092262	772	0	Low risk	astrocytoma
605	TCGA-TM-A84R	-0.4471519	566	0	Low risk	oligodendroglioma
606	TCGA-TM-A84S	-0.6665335	454	0	Low risk	oligodendroglioma
607	TCGA-TM-A84T	-1.1739980	724	0	Low risk	oligoastrocytoma
608	TCGA-TQ-A7RF	-0.5193231	650	0	Low risk	oligodendroglioma
609	TCGA-TQ-A7RG	-0.7476208	599	0	Low risk	oligoastrocytoma
610	TCGA-TQ-A7RH	-0.4611072	486	0	Low risk	oligoastrocytoma
611	TCGA-TQ-A7RI	-0.6033106	62	0	Low risk	oligodendroglioma
612	TCGA-TQ-A7RJ	-0.4891606	1229	0	Low risk	oligoastrocytoma
613	TCGA-TQ-A7RK	-0.5655030	1341	0	Low risk	oligoastrocytoma
615	TCGA-TQ-A7RN	-0.7728919	1026	0	Low risk	oligodendroglioma
616	TCGA-TQ-A7RO	-0.5765531	949	0	Low risk	oligoastrocytoma
617	TCGA-TQ-A7RQ	-0.8765576	795	0	Low risk	oligodendroglioma
618	TCGA-TQ-A7RR	-0.5997155	787	0	Low risk	oligoastrocytoma
619	TCGA-TQ-A7RU	-0.9139130	1032	0	Low risk	oligodendroglioma
620	TCGA-TQ-A7RV	-0.6236026	1868	0	Low risk	astrocytoma
621	TCGA-TQ-A7RW	-0.6129881	821	1	Low risk	oligodendroglioma
622	TCGA-TQ-A8XE	-0.8636966	954	1	Low risk	oligodendroglioma
623	TCGA-VM-A8C8	-0.5577948	1397	0	Low risk	oligodendroglioma
624	TCGA-VM-A8C9	0.0269241	1314	0	Low risk	astrocytoma
625	TCGA-VM-A8CA	-0.6055113	411	0	Low risk	oligodendroglioma
626	TCGA-VM-A8CB	-1.1753888	3	0	Low risk	oligodendroglioma
627	TCGA-VM-A8CD	0.4480903	240	1	Low risk	astrocytoma
628	TCGA-VM-A8CE	-0.7896383	1191	0	Low risk	oligodendroglioma
629	TCGA-VM-A8CF	-0.4597745	609	0	Low risk	astrocytoma
630	TCGA-VM-A8CH	-0.5381355	714	0	Low risk	astrocytoma
631	TCGA-VV-A829	-0.7952244	1127	0	Low risk	oligoastrocytoma

	Patient_ID	pi	time	status	group	histological_type
632	TCGA-VV-A86M	-1.5873780	487	0	Low risk	astrocytoma
633	TCGA-VW-A7QS	0.0975755	706	0	Low risk	oligodendroglioma
634	TCGA-VW-A8FI	0.4841592	245	1	Low risk	astrocytoma
635	TCGA-W9-A837	-0.7002447	1553	0	Low risk	oligodendroglioma
636	TCGA-WH-A86K	-0.8108096	405	0	Low risk	astrocytoma
637	TCGA-WY-A858	-0.4393736	1337	0	Low risk	astrocytoma
638	TCGA-WY-A859	-0.5523763	1213	0	Low risk	astrocytoma
639	TCGA-WY-A85A	-0.8856338	1320	0	Low risk	astrocytoma
640	TCGA-WY-A85B	-0.5779243	1393	0	Low risk	astrocytoma
641	TCGA-WY-A85C	-1.0890579	1426	0	Low risk	astrocytoma
642	TCGA-WY-A85D	-0.3193368	1147	0	Low risk	oligoastrocytoma
643	TCGA-WY-A85E	-1.0726247	633	0	Low risk	oligoastrocytoma

# ## HIGH-RISK-PATIENTS

	Patient_ID	pi	time	status	group	histological_type
1	TCGA-02-0047	0.8942025	448	1	High risk	untreated primary (de novo) gbm
2	TCGA-02-0055	2.4271091	76	1	High risk	untreated primary (de novo) gbm
3	TCGA-02-2483	1.8906407	466	0	High risk	untreated primary (de novo) gbm
4	TCGA-02-2485	1.4354337	470	0	High risk	untreated primary (de novo) gbm
5	TCGA-02-2486	1.9759672	618	1	High risk	untreated primary (de novo) gbm
6	TCGA-06-0125	1.4859587	1448	1	High risk	untreated primary (de novo) gbm
7	TCGA-06-0129	1.2219688	1024	1	High risk	untreated primary (de novo) gbm
8	TCGA-06-0130	2.7004928	394	1	High risk	untreated primary (de novo) gbm
9	TCGA-06-0132	0.8996421	771	1	High risk	untreated primary (de novo) gbm
10	TCGA-06-0138	1.5208328	737	1	High risk	untreated primary (de novo) gbm
11	TCGA-06-0141	1.5472717	313	1	High risk	untreated primary (de novo) gbm
12	TCGA-06-0156	2.2226467	178	1	High risk	untreated primary (de novo) gbm
13	TCGA-06-0157	1.5783755	97	1	High risk	untreated primary (de novo) gbm
14	TCGA-06-0158	1.4978948	329	1	High risk	untreated primary (de novo) gbm
15	TCGA-06-0168	1.6754368	598	1	High risk	untreated primary (de novo) gbm
16	TCGA-06-0174	1.7091772	98	1	High risk	untreated primary (de novo) gbm
17	TCGA-06-0178	0.8520561	2681	1	High risk	untreated primary (de novo) gbm
18	TCGA-06-0184	1.2758134	2126	1	High risk	untreated primary (de novo) gbm
19	TCGA-06-0187	1.5712289	828	1	High risk	untreated primary (de novo) gbm
20	TCGA-06-0190	2.1723470	317	1	High risk	untreated primary (de novo) gbm
21	TCGA-06-0210	1.8545475	225	1	High risk	untreated primary (de novo) gbm
22	TCGA-06-0211	1.6898968	360	1	High risk	untreated primary (de novo) gbm
23	TCGA-06-0219	2.1326600	22	1	High risk	untreated primary (de novo) gbm
24	TCGA-06-0238	1.2389459	405	1	High risk	untreated primary (de novo) gbm
25	TCGA-06-0644	2.8687179	384	1	High risk	untreated primary (de novo) gbm
26	TCGA-06-0645	1.8752721	175	1	High risk	untreated primary (de novo) gbm
27	TCGA-06-0646	2.1902444	175	1	High risk	untreated primary (de novo) gbm
28	TCGA-06-0649	1.6604480	64	1	High risk	untreated primary (de novo) gbm
29	TCGA-06-0686	1.4396846	432	1	High risk	untreated primary (de novo) gbm
30	TCGA-06-0743	1.3767729	803	1	High risk	untreated primary (de novo) gbm
31	TCGA-06-0744	1.5519868	1426	1	High risk	untreated primary (de novo) gbm
32	TCGA-06-0745	2.6607845	239	1	High risk	untreated primary (de novo) gbm
33	TCGA-06-0747	2.3545424	82	1	High risk	untreated primary (de novo) gbm
34	TCGA-06-0749	1.3207318	82	1	High risk	untreated primary (de novo) gbm
35	TCGA-06-0750	2.1999998	28	1	High risk	untreated primary (de novo) gbm
36	TCGA-06-0878	1.9512931	218	0	High risk	untreated primary (de novo) gbm

	Patient_ID	pi	time	status	group	histological_type
37	TCGA-06-0882	1.0999021	632	1	High risk	untreated primary (de novo) gbm
38	TCGA-06-1804	0.8214791	414	1	High risk	untreated primary (de novo) gbm
39	TCGA-06-2557	1.6247800	33	1	High risk	untreated primary (de novo) gbm
40	TCGA-06-2558	1.5818789	380	1	High risk	untreated primary (de novo) gbm
41	TCGA-06-2559	2.2560095	150	1	High risk	untreated primary (de novo) gbm
42	TCGA-06-2561	0.9309391	537	1	High risk	untreated primary (de novo) gbm
43	TCGA-06-2562	2.0071898	382	1	High risk	untreated primary (de novo) gbm
44	TCGA-06-2563	1.1666910	932	0	High risk	untreated primary (de novo) gbm
45	TCGA-06-2564	1.5043048	181	0	High risk	untreated primary (de novo) gbm
46	TCGA-06-2565	0.8897127	506	1	High risk	untreated primary (de novo) gbm
47	TCGA-06-2567	2.1617892	133	1	High risk	untreated primary (de novo) gbm
48	TCGA-06-2569	1.8123849	13	0	High risk	untreated primary (de novo) gbm
49	TCGA-06-2570	0.8324482	958	0	High risk	untreated primary (de novo) gbm
50	TCGA-06-5408	1.5308348	357	1	High risk	untreated primary (de novo) gbm
51	TCGA-06-5410	2.1902746	108	1	High risk	untreated primary (de novo) gbm
53	TCGA-06-5412	2.2310224	138	1	High risk	untreated primary (de novo) gbm
54	TCGA-06-5413	1.9445067	268	0	High risk	untreated primary (de novo) gbm
55	TCGA-06-5414	1.4687907	273	0	High risk	untreated primary (de novo) gbm
56	TCGA-06-5415	1.2275211	260	0	High risk	untreated primary (de novo) gbm
57	TCGA-06-5416	1.7887287	204	0	High risk	untreated primary (de novo) gbm
59	TCGA-06-5418	1.9921849	83	1	High risk	untreated primary (de novo) gbm
60	TCGA-06-5856	1.5042729	114	1	High risk	untreated primary (de novo) gbm
61	TCGA-06-5858	2.3856543	187	0	High risk	untreated primary (de novo) gbm
62	TCGA-06-5859	1.2389120	139	0	High risk	untreated primary (de novo) gbm
63	TCGA-08-0386	1.3937998	548	1	High risk	untreated primary (de novo) gbm
64	TCGA-12-0616	2.1660585	448	1	High risk	untreated primary (de novo) gbm
65	TCGA-12-0618	0.8240186	395	1	High risk	untreated primary (de novo) gbm
66	TCGA-12-0619	1.9321136	1062	1	High risk	untreated primary (de novo) gbm
67	TCGA-12-0821	1.5791664	323	1	High risk	untreated primary (de novo) gbm
68	TCGA-12-1597	1.2854463	675	1	High risk	untreated primary (de novo) gbm
69	TCGA-12-3650	1.7934748	333	1	High risk	untreated primary (de novo) gbm
70	TCGA-12-3652	1.7199788	1062	1	High risk	untreated primary (de novo) gbm
71	TCGA-12-3653	2.0193717	442	1	High risk	untreated primary (de novo) gbm
72	TCGA-12-5295	1.8362546	454	1	High risk	untreated primary (de novo) gbm
73	TCGA-12-5299	2.7833322	98	1	High risk	untreated primary (de novo) gbm
74	TCGA-14-0781	2.2721450	29	1	High risk	untreated primary (de novo) gbm
75	TCGA-14-0787	1.9593883	68	1	High risk	untreated primary (de novo) gbm
76	TCGA-14-0789	1.8908291	342	1	High risk	untreated primary (de novo) gbm
77	TCGA-14-0790	1.0522594	419	1	High risk	untreated primary (de novo) gbm
78	TCGA-14-0817	2.4846801	164	1	High risk	untreated primary (de novo) gbm
79	TCGA-14-1034	1.6958752	485	1	High risk	untreated primary (de novo) gbm
80	TCGA-14-1823	0.9264937	543	1	High risk	untreated primary (de novo) gbm
81	TCGA-14-1825	1.7650196	232	1	High risk	untreated primary (de novo) gbm
82	TCGA-14-1829	2.7443324	218	0	High risk	untreated primary (de novo) gbm
83	TCGA-14-2554	1.3071278	532	1	High risk	untreated primary (de novo) gbm
84	TCGA-15-0742	1.8983155	419	1	High risk	untreated primary (de novo) gbm
85	TCGA-16-0846	1.1456294	119	1	High risk	untreated primary (de novo) gbm
86	TCGA-16-1045	1.2697549	883	1	High risk	untreated primary (de novo) gbm
87	TCGA-19-1390	1.8614094	772	1	High risk	untreated primary (de novo) gbm
88	TCGA-19-1787	2.2963361	385	1	High risk	untreated primary (de novo) gbm
89	TCGA-19-2619	1.3098639	294	0	High risk	untreated primary (de novo) gbm
90	TCGA-19-2620	1.1920588	148	1	High risk	untreated primary (de novo) gbm

	Patient_ID	pi	time	status	group	histological_type
91	TCGA-19-2624	1.9704242	5	1	High risk	untreated primary (de novo) gbm
92	TCGA-19-2625	2.2060410	124	1	High risk	untreated primary (de novo) gbm
93	TCGA-19-2629	0.7584799	737	1	High risk	untreated primary (de novo) gbm
94	TCGA-19-4065	2.0687144	214	0	High risk	untreated primary (de novo) gbm
95	TCGA-19-5960	1.2876637	455	1	High risk	untreated primary (de novo) gbm
97	TCGA-26-5132	2.3368393	286	0	High risk	untreated primary (de novo) gbm
98	TCGA-26-5133	0.9645216	452	0	High risk	untreated primary (de novo) gbm
99	TCGA-26-5134	1.2527563	167	0	High risk	untreated primary (de novo) gbm
100	TCGA-26-5135	1.5288250	270	1	High risk	untreated primary (de novo) gbm
101	TCGA-26-5136	2.1470313	577	1	High risk	untreated primary (de novo) gbm
102	TCGA-26-5139	1.5035440	48	0	High risk	untreated primary (de novo) gbm
103	TCGA-27-1830	1.6665025	154	1	High risk	untreated primary (de novo) gbm
104	TCGA-27-1831	2.4402618	505	1	High risk	untreated primary (de novo) gbm
105	TCGA-27-1832	2.3456172	300	1	High risk	untreated primary (de novo) gbm
106	TCGA-27-1834	0.9281284	1233	1	High risk	untreated primary (de novo) gbm
107	TCGA-27-1835	1.3992545	648	1	High risk	untreated primary (de novo) gbm
108	TCGA-27-1837	1.5845481	427	1	High risk	untreated primary (de novo) gbm
109	TCGA-27-2519	1.2947908	550	1	High risk	untreated primary (de novo) gbm
110	TCGA-27-2521	1.0507241	510	1	High risk	untreated primary (de novo) gbm
111	TCGA-27-2523	1.8812675	489	1	High risk	untreated primary (de novo) gbm
112	TCGA-27-2524	2.8922236	231	1	High risk	untreated primary (de novo) gbm
113	TCGA-27-2526	2.4369564	87	1	High risk	untreated primary (de novo) gbm
114	TCGA-27-2528	1.4589921	480	1	High risk	untreated primary (de novo) gbm
115	TCGA-28-1747	1.6518837	77	1	High risk	untreated primary (de novo) gbm
116	TCGA-28-1753	1.8823273	37	0	High risk	untreated primary (de novo) gbm
117	TCGA-28-2509	2.6191500	145	0	High risk	untreated primary (de novo) gbm
118	TCGA-28-2513	1.6509516	222	0	High risk	untreated primary (de novo) gbm
119	TCGA-28-2514	1.1330048	160	0	High risk	untreated primary (de novo) gbm
120	TCGA-28-5204	1.6089399	454	1	High risk	untreated primary (de novo) gbm
121	TCGA-28-5207	0.6913245	343	1	High risk	untreated primary (de novo) gbm
122	TCGA-28-5208	1.6416894	544	1	High risk	untreated primary (de novo) gbm
123	TCGA-28-5209	1.5624155	442	0	High risk	untreated primary (de novo) gbm
124	TCGA-28-5213	1.8739199	951	0	High risk	untreated primary (de novo) gbm
125	TCGA-28-5215	1.6196284	335	1	High risk	untreated primary (de novo) gbm
126	TCGA-28-5216	1.1172031	415	0	High risk	untreated primary (de novo) gbm
127	TCGA-28-5218	2.4106638	157	1	High risk	untreated primary (de novo) gbm
128	TCGA-28-5220	1.5952189	388	1	High risk	untreated primary (de novo) gbm
129	TCGA-32-1970	1.3489150	468	1	High risk	untreated primary (de novo) gbm
130	TCGA-32-1980	0.8684269	36	1	High risk	untreated primary (de novo) gbm
131	TCGA-32-1982	1.8408903	142	1	High risk	untreated primary (de novo) gbm
132	TCGA-32-2615	1.4092072	485	1	High risk	untreated primary (de novo) gbm
133	TCGA-32-2616	1.8502723	224	1	High risk	untreated primary (de novo) gbm
134	TCGA-32-2632	1.7769754	269	1	High risk	untreated primary (de novo) gbm
135	TCGA-32-2634	1.5781153	693	0	High risk	untreated primary (de novo) gbm
136	TCGA-32-2638	1.7280502	766	1	High risk	untreated primary (de novo) gbm
137	TCGA-32-4213	1.8626496	604	0	High risk	untreated primary (de novo) gbm
138	TCGA-32-5222	1.5558673	585	1	High risk	untreated primary (de novo) gbm
139	TCGA-41-2571	1.0145033	26	1	High risk	untreated primary (de novo) gbm
140	TCGA-41-2572	1.5179408	406	1	High risk	untreated primary (de novo) gbm
141	TCGA-41-3915	1.7319792	360	1	High risk	untreated primary (de novo) gbm
142	TCGA-41-4097	1.0853946	6	1	High risk	untreated primary (de novo) gbm
143	TCGA-41-5651	1.2948008	460	1	High risk	untreated primary (de novo) gbm



	Patient_ID	pi	time	status	group	histological_type
144	TCGA-76-4925	2.7476385	146	1	High risk	untreated primary (de novo) gbm
145	TCGA-76-4926	1.1712861	138	1	High risk	untreated primary (de novo) gbm
146	TCGA-76-4927	2.2342183	535	1	High risk	untreated primary (de novo) gbm
147	TCGA-76-4928	2.1263193	94	1	High risk	untreated primary (de novo) gbm
148	TCGA-76-4929	0.9552399	111	1	High risk	untreated primary (de novo) gbm
149	TCGA-76-4931	1.4817973	279	1	High risk	untreated primary (de novo) gbm
160	TCGA-CS-6188	0.7731277	814	1	High risk	astrocytoma
215	TCGA-DU-5847	1.0569631	548	0	High risk	astrocytoma
234	TCGA-DU-6402	1.1525074	214	1	High risk	astrocytoma
236	TCGA-DU-6405	0.8431266	605	1	High risk	astrocytoma
240	TCGA-DU-7006	0.9717507	349	1	High risk	astrocytoma
247	TCGA-DU-7013	0.8738269	269	1	High risk	astrocytoma
252	TCGA-DU-7290	0.6697360	315	1	High risk	astrocytoma
266	TCGA-DU-8165	1.2531997	582	0	High risk	oligodendroglioma
283	TCGA-DU-A76L	1.4512872	814	1	High risk	oligodendroglioma
293	TCGA-DU-A7TJ	0.9803451	17	0	High risk	astrocytoma
303	TCGA-E1-A7YD	0.9548142	435	1	High risk	astrocytoma
306	TCGA-E1-A7YI	0.9301616	111	1	High risk	astrocytoma
309	TCGA-E1-A7YL	2.1299721	492	1	High risk	astrocytoma
311	TCGA-E1-A7YN	1.4845798	727	1	High risk	astrocytoma
313	TCGA-E1-A7YQ	0.6662602	1578	1	High risk	oligodendroglioma
334	TCGA-FG-6692	1.1978581	561	1	High risk	oligodendroglioma
373	TCGA-HT-7477	1.0077906	738	0	High risk	astrocytoma
412	TCGA-HT-7857	0.6472164	7	0	High risk	astrocytoma
422	TCGA-HT-7882	0.9413797	113	1	High risk	oligodendroglioma
426	TCGA-HT-8011	1.0508411	494	0	High risk	astrocytoma
432	TCGA-HT-8104	0.9947475	372	0	High risk	astrocytoma
438	TCGA-HT-8110	0.9764445	419	0	High risk	astrocytoma
443	TCGA-HT-8563	1.1120456	860	0	High risk	astrocytoma
450	TCGA-HT-A5RA	1.4899561	832	0	High risk	astrocytoma
461	TCGA-HT-A61C	1.7751634	537	1	High risk	oligodendroglioma
485	TCGA-KT-A7W1	1.6904950	438	0	High risk	astrocytoma
496	TCGA-P5-A72U	0.6544721	7	0	High risk	oligodendroglioma
548	TCGA-S9-A6U0	1.3304741	742	1	High risk	astrocytoma
563	TCGA-S9-A6WM	0.8254717	604	0	High risk	astrocytoma
569	TCGA-S9-A7IS	0.7397714	241	1	High risk	astrocytoma
573	TCGA-S9-A7J0	1.0250577	609	0	High risk	oligodendroglioma
589	TCGA-TM-A7C3	0.7034688	1666	1	High risk	astrocytoma
614	TCGA-TQ-A7RM	0.6478770	1116	0	High risk	oligoastrocytoma