

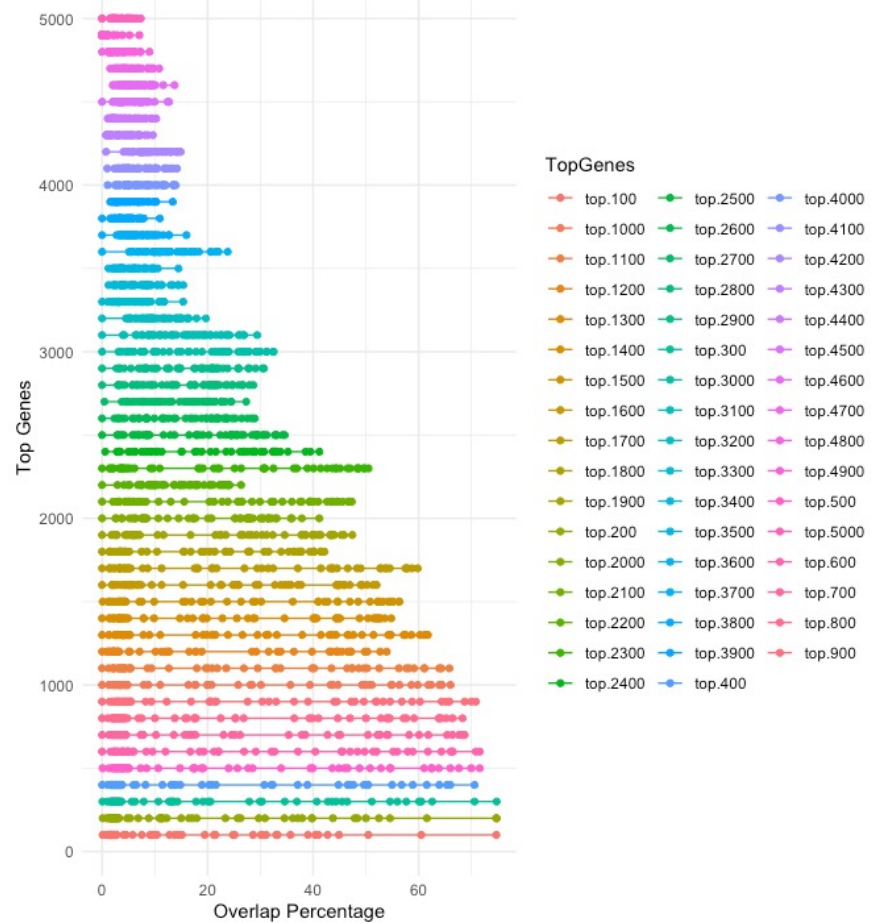
% of overlap of rare cells by fine tuning default cutoff

names	top.100	top.200	top.300	top.400	top.500	top.600	top.700	top.800	top.900	top.1000	top.1200	top.1500	top.1600	top.1700	top.1800	top.1900	top.2000	top.2200	top.2300	top.2400	top.2500	top.2600	top.2800	top.3000	top.3200	top.3300	top.3400	top.3500	top.3600	top.3700	top.3800	top.3900	top.4000	top.4100	top.4200	top.4400	top.4500	top.4600	top.4700	top.4800	top.4900	top.5000									
1	top.100	#N/A	74.7191	60.50125	50.4526	48.8973	40.244	42.7451	41.00195	39.03075	35.6929	32.9918	32.76709	31.09756	26.3295	30.1595	24.8062	30.2683	19.45525	21.48071	15.0817	21.9622	7.52403	25.1144	15.3688	13.7802	9.88187	9.115282	9.4168	10.40773	12.76709	9.31663	4.30744	1.68671	1.99794	1.886792	8.06452	2.771855	1.706295	1.598278	2.424569	2.304394	4.077253	0.751073	1.381509	1.980728	2.64700	2.40005	1.24799	0.106213	1.497326
2	top.100	74.7191	#N/A	74.7193	61.55588	54.56216	48.40725	52.48268	50	47.87168	43.75367	39.80758	39.77324	37.93309	34.5727	36.1439	29.70357	37.10616	32.37662	26.24157	21.1405	25.7079	8.86392	30.87638	17.93581	16.49896	11.48487	10.87366	13.3621	12.4874	15	11.03495	5.30638	1.708861	2.340291	2.09596	6.86398	3.238975	2.022756	1.78482	2.709515	2.760351	4.708873	0.878045	1.613904	3.018587	2.72684	1.52348	0.124069	1.64975	
3	top.300	60.50125	74.7193	#N/A	70.58824	62.55289	55.96529	60.07911	57.65707	54.57771	51.1713	46.45341	45.47764	44.37702	40.68878	42.77382	37.91552	30.31161	20.70553	29.00721	26.86977	20.58979	19.10275	15.7664	12.93819	13.38819	14.28571	13.0246	12.36244	1.988385	2.641233	2.564103	7.883212	3.677001	2.422907	2.007168	3.29429	3.125	5.608157	0.945455	1.867816	2.680551	3.506269	2.985075	1.045179	0.017736	1.807664				
4	top.400	50.4526	61.55588	70.58824	#N/A	66.00587	58.87218	65.36857	63.89466	56.79647	54.95751	49.63716	50.26652	47.61505	44.80911	46.97073	37.09913	26.58989	30.7483	32.35077	20.74468	32.04461	11.43717	38.91213	21.58491	20.72027	13.94122	13.11228	13.78012	18.48552	18.92911	13.28358	6.444276	1.972866	2.651515	2.571861	8.286415	3.797468	2.503794	2.077539	3.403993	3.228228	5.953278	1.052632	1.777778	2.850173	3.622642	3.157122	1.575394	0	1.943199
5	top.500	48.8973	54.56216	62.55289	66.00587	#N/A	71.56863	67.63727	63.82979	69.96161	62.36655	61.04265	46.53938	54.6875	48.80066	50.79765	45.96154	52.83688	33.93471	39.94141	27.70833	39.48667	14.78439	43.65079	28.5727	25.65923	18.8211	17.44066	17.62295	19.19918	20.40049	17.25888	8.4375	2.830189	3.657262	3.54536	10.6045	5.09684	3.131524	2.834008	4.692888	4.328997	7.304527	1.342975	2.535497	3.915726	4.989605	4.095996	2.059732	0.101317	2.038736
6	top.600	40.244	48.40725	55.96529	58.87218	71.56863	#N/A	66.39929	66.42729	70.84211	66.0396	64.30085	47.06637	61.74821	52.02578	55.17891	51.38122	57.91583	37.12342	45.36139	32.10784	45.56962	16.71684	49.74722	32.8899	29.11243	22.07317	19.27711	21.21212	22.04819	26.90476	18.47059	5.970552	3.094059	3.940887	3.808554	12.04456	6.002401	3.703704	2.843602	5.039675	4.854369	8.353511	1.585366	2.494062	4.242424	5.637255	4.806565	2.305825	0	2.155689
7	top.700	42.7451	52.48268	60.07911	57.65707	63.82979	66.39929	#N/A	68.30818	68.72207	61.8333	58.18815	52.7003	54.24165	50.39246	52.18775	44.81842	53.92977	35.37964	38.51653	25.16309	37.83784	16.51546	45.13716	26.15527	24.57191	17.11378	15.6682	16.80517	17.67956	23.01294	16.27057	7.821229	2.521008	3.64886	5.198551	10.20408	4.553734	3.078558	2.533997	4.182156	4.0553	3.808048	1.295153	2.081448	3.400735	4.351852	3.667263	1.74472	0	2.100457
8	top.800	41.00195	50	57.65707	63.89466	63.82979	66.42729	68.30818	#N/A	65.19824	64.31005	59.13504	53.93867	57.16799	52.85141	54.22708	44.69224	54.5224	36.4233	39.85441	25.2554	39.30211	13.78026	46.98897	26.82927	25.27985	17.76316	15.75023	17.55869	14.2559	24.9071	16.14391	57.11737	25.15985	3.96226	3.101504	10.01873	4.801477	2.728128	2.3766	4.233302	4.104478	6.896552	1.11836	2.012809	3.345725	4.11215	3.616637	1.860465	0	2.125693
9	top.900	39.03075	47.87168	54.57771	56.79647	69.96161	70.84211	68.72207	67.63727	#N/A	64.37581	65.82278	47.21871	60.24717	51.86194	52.57587	58.74751	36.38095	43.99118	31.61677	44.49438	16.86321	49.60159	32.7776	30.36342	21.37767	20.35714	20.54309	21.67706	25.82126	15.330144	3.140097	4.342581	3.83693	12.24732	5.484247	3.813146	3.012746	5.155875	4.85782	8.274232	14.25178	2.671312	4.014168	5.369928	4.571429	2.007084	0	2.146189		
10	top.1000	35.69292	43.75367	51.17133	54.95751	62.36655	66.0396	61.8333	64.31005	64.37581	#N/A	63.91129	49.78001	58.62609	54.78821	63.53209	49.27686	59.82579	43.30875	31.11111	47.70842	16.36971	50.48356	30.12182	28.4141	20.76319	17.54967	19.97768	25.95734	17.76657	6.784045	2.947846	3.607666	3.487064	11.01224	4.699454	3.898831	2.723312	4.842342	4.682274	7.897664	1.339266	2.067465	3.314917	4.226919	4.081633	1.324503	0	2.153125		
11	top.1100	32.9918	39.80758	46.45341	49.63716	61.04265	64.30085	58.18815	59.13504	62.36655	63.91129	#N/A	48.48379	61.82821	52.52522	56.26233	50.22779	57.70424	40.20961	47.43183	32.85899	17.97176	48.4665	38.00129	25.51432	23.57706	20.07073	21.82385	20.88427	26.875	45.95649	3.950649	3.166227	3.931848	4.06291	12.6615	5.499997	3.543307	3.026482	5.091384	4.36457	8.622909	2.95337	2.670303	3.717949	5.324675	4.460967	2.061856	0	2.165605	
12	top.1200	32.6709	39.77324	45.47764	50.26652	46.53938	47.06637	52.7003	53.93867	47.21871	49.78001	48.48379	#N/A	48.10345	44.42402	44.68347	33.84913	44.52185	31.57241	29.20182	17.6781	28.40391	10.11827	36.34661	18.9401	17.83607	12.58984	11.21311	12.31073	12.72131	16.5023	11.88766	5.266623	1.853077	2.377807	2.173913	1.005952	2.488631	2.113606	2.090973	2.899551	2.95082	5.052493	0.8519	1.291156	2.886088	3.090072	2.564103	1.24183	0	1.563518
13	top.1300	31.09756	37.93309	44.37702	47.61905	54.6875	61.74821	54.24165	57.16799	60.24717	58.62609	61.12821	48.10345	#N/A	51.44903	54.66667	49.25544	57.51566	41.74868	48.62008	31.46544	46.61403	17.73142	46.5285	33.11856	29.45638	28.07858	18.78013	21.48438	20.81737	26.61597	19.13815	8.970976	3.234501	3.877005	4.149933	11.0464	5.290323	3.619303	2.824134	5	2.468421	7.8125	1.227251	2.445302	3.931848	4.605263	4.025157	1.305483	0	2.477184
14	top.1400	26.3295	34.5727	40.68878	44.80911	48.80066	52.02578	50.39246	52.85141	51.86194	54.79821	52.52622	44.42402	48.10345	#N/A	53.23393	45.09902	53.95168																																	

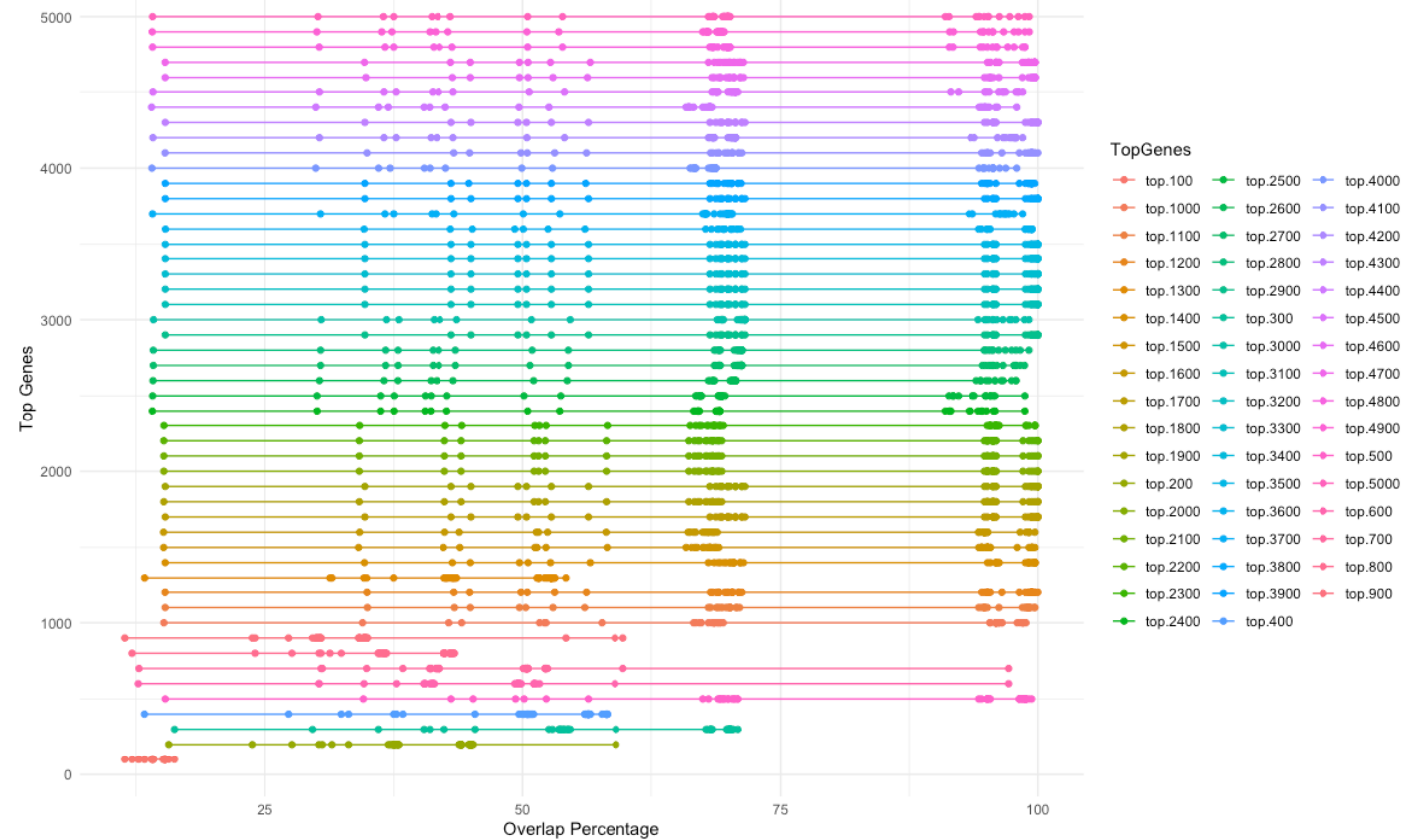
Diverse set of genes vs % of overlap of rare in giniclust 2 HNSCC

[illegible]

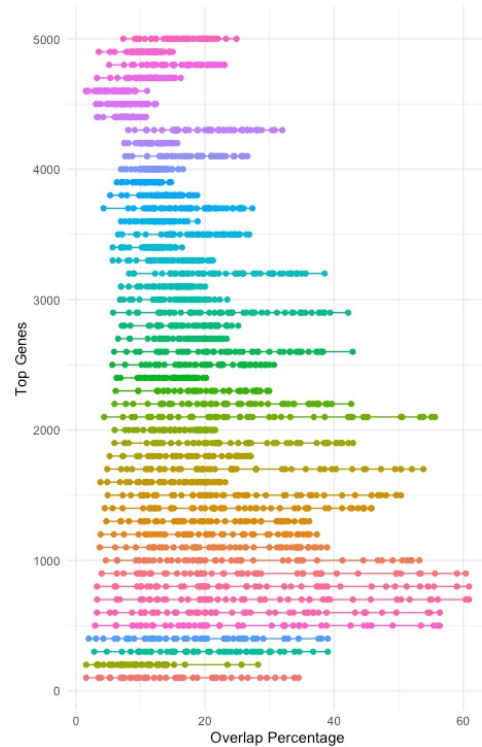
Percentage of Overlapping Rare Cells vs. Top Genes



Percentage of Overlapping Rare Cells giniclust vs. Top Genes



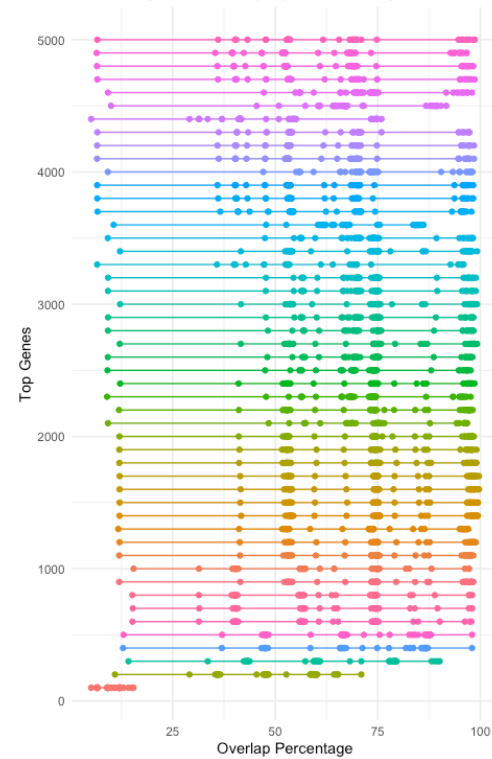
Percentage of Overlapping Rare Cells fire PBMC



TopGenes

- top.100
- top.1000
- top.1100
- top.1200
- top.1300
- top.1400
- top.1500
- top.1600
- top.1700
- top.1800
- top.1900
- top.200
- top.2000
- top.2100
- top.2200
- top.2300
- top.2400
- top.2500
- top.2600
- top.2700
- top.2800
- top.2900
- top.300
- top.3000
- top.3100
- top.3200
- top.3300
- top.3400
- top.3500
- top.3600
- top.3700
- top.3800
- top.3900
- top.400
- top.4000
- top.4100
- top.4200
- top.4300
- top.4400
- top.4500
- top.4600
- top.4700
- top.4800
- top.4900
- top.500
- top.5000
- top.600
- top.700
- top.800
- top.900

Percentage of Overlapping Rare Cells giniclust PBMC



TopGenes

- top 100
- top 1000
- top 1100
- top 1200
- top 1300
- top 1400
- top 1500
- top 1600
- top 1700
- top 1800
- top 1900
- top 200
- top 2000
- top 2100
- top 2200
- top 2300
- top 2400
- top 2500
- top 2600
- top 2700
- top 2800
- top 2900
- top 300
- top 3000
- top 3100
- top 3200
- top 3300
- top 3400
- top 3500
- top 3600
- top 3700
- top 3800
- top 3900
- top 400
- top 4000
- top 4100
- top 4200
- top 4300
- top 4400
- top 4500
- top 4600
- top 4700
- top 4800
- top 4900
- top 500
- top 5000
- top 600
- top 700
- top 800
- top 900