Heatmap: hla\_match\_c\_high vs dri\_score

High -	12	8.4e+02	2.5e+03	- 5000
ing cytogenetics -	2	1.7e+02	6.8e+02	
Intermediate -	20	1.7e+03	5.3e+03	- 4000
ing cytogenetics -	1	49	2.3e+02	
Low -	8	2.5e+02	9.7e+02	- 3000
ıg disease status -	0	1	6	
e not classifiable -	0	29	1.6e+02	- 2000
ignant indication -	6	3.3e+02	1.3e+03	
N/A - pediatric -	13	7.3e+02	2.5e+03	- 1000
BD cytogenetics -	4	3.4e+02	1e+03	
Very high -	0	34	1e+02	•
	0,0	ر امری hla_match_c_high	2.0	- 0

Heatmap: hla\_high\_res\_8 vs dri\_score

1									
High -	0	3	5.4e+02	2.4e+02	2.2e+02	3.2e+02	1.8e+03	- 3500	
ing cytogenetics -	0	1	1.1e+02	56	42	92	5e+02		
Intermediate -	0	11	1.2e+03	4.9e+02	4.1e+02	6.4e+02	3.8e+03	- 3000	
ing cytogenetics -	0	0	28	17	11	21	1.8e+02	- 2500	
Low -	1	2	1.7e+02	70	63	1e+02	7.4e+02		
ıg disease status -	0	0	1	0	0	0	6	- 2000	
e not classifiable -	0	0	19	7	13	25	1.2e+02	- 1500	
ignant indication -	0	3	2.2e+02	1e+02	98	1.7e+02	1e+03		
N/A - pediatric -	0	4	5.2e+02	2.3e+02	2.2e+02	3.5e+02	1.8e+03	- 1000	
BD cytogenetics -	1	1	2.4e+02	1.1e+02	86	1.4e+02	7.5e+02	- 500	
Very high -	0	1	26	9	13	17	67		
	2.0	3°.	». h	တ် ola_high_res_	8 %	10	&. O	- 0	

Heatmap: hla\_low\_res\_6 vs dri\_score

High -	0	6.8e+02	2.8e+02	3.6e+02	2.1e+03	
						- 4000
ing cytogenetics -	1	1.4e+02	69	89	6.1e+02	
Intermediate -	5	1.6e+03	5.6e+02	7.6e+02	4.4e+03	- 3500
ing cytogenetics -	0	39	20	27	2.2e+02	- 3000
Low -	3	2.1e+02	94	1.3e+02	9e+02	- 2500
ıg disease status -	0	1	0	0	6	- 2000
e not classifiable -	0	22	14	22	1.4e+02	2000
ignant indication -	3	2.8e+02	1.4e+02	2.2e+02	1.1e+03	- 1500
N/A - pediatric -	3	6.8e+02	2.8e+02	4.6e+02	2e+03	- 1000
BD cytogenetics -	2	3e+02	1.6e+02	1.6e+02	8.4e+02	- 500
Very high -	0	40	16	12	72	
	2.	3.0	ر م hla_low_res_6	5°.	6.0	- 0

Heatmap: hla\_high\_res\_6 vs dri\_score

					_		
High -	. 0	4	6.3e+02	3.3e+02	3.6e+02	1.9e+03	
ing cytogenetics -	0	2	1.4e+02	66	99	5.3e+02	- 3500
Intermediate -	. 0	19	1.4e+03	5.8e+02	7.3e+02	3.9e+03	- 3000
ing cytogenetics -	0	0	35	20	27	1.9e+02	- 2500
Low -	0	4	2e+02	90	1.2e+02	7.7e+02	2300
ıg disease status -	0	0	1	0	0	6	- 2000
e not classifiable -	0	0	23	13	25	1.3e+02	- 1500
ignant indication –	. 0	4	2.5e+02	1.4e+02	2e+02	1e+03	
N/A - pediatric -	0	3	6.3e+02	3e+02	4e+02	1.9e+03	- 1000
BD cytogenetics -	. 1	0	3e+02	1.3e+02	1.6e+02	7.7e+02	- 500
Very high -	0	1	33	14	21	69	0
	0.0	2.0	ی hla_higl	ر 0 h_res_6	50	6.	- 0

Heatmap: hla\_high\_res\_10 vs dri\_score

High -	0	4	4.4e+02	2e+02	1.6e+02	2e+02	3.1e+02	1.7e+03		
ing cytogenetics -	0	0	98	33	42	38	93	4.4e+02	-	3000
Intermediate –	0	12	9.9e+02	4.2e+02	3.3e+02	3.4e+02	6.4e+02	3.5e+03		
ing cytogenetics -	0	0	24	8	9	9	23	1.5e+02		2500
Low -	1	1	1.4e+02	45	53	60	95	6.4e+02	_	2000
ıg disease status -	0	0	0	1	0	0	0	5		
e not classifiable -	0	0	15	8	8	10	22	1.1e+02		1500
ignant indication –	0	2	1.7e+02	81	79	86	1.9e+02	9.1e+02		1000
N/A - pediatric -	0	3	4.2e+02	1.9e+02	1.8e+02	1.8e+02	3.6e+02	1.6e+03		
BD cytogenetics -	0	0	2e+02	90	80	75	1.3e+02	6.9e+02	_	500
Very high -	0	1	20	8	7	14	19	58		0
	3·	, 0	4°,0	ہٰ hla_high	ر n_res_10	8.0	9.0	20.0		0

Heatmap: hla\_match\_dqb1\_high vs dri\_score

	•		<b>-</b>	
High -	. 9	8e+02	2.4e+03	
ing cytogenetics -	- 3	1.8e+02	6.4e+02	
Intermediate -	. 20	1.9e+03	5e+03	- 4000
ing cytogenetics -	. 0	54	2e+02	
Low -	- 4	2.7e+02	8.5e+02	- 3000
ıg disease status -	. 0	0	6	
e not classifiable -	. 2	30	1.5e+02	- 2000
ignant indication -	. 5	3.7e+02	1.3e+03	
N/A - pediatric -	. 15	8.1e+02	2.4e+03	- 1000
BD cytogenetics -	- 6	3.8e+02	9.8e+02	
Very high -	1	35	1e+02	- 0
	0,0	ہٰہٰ hla_match_dqb1_high	2.0	- 0

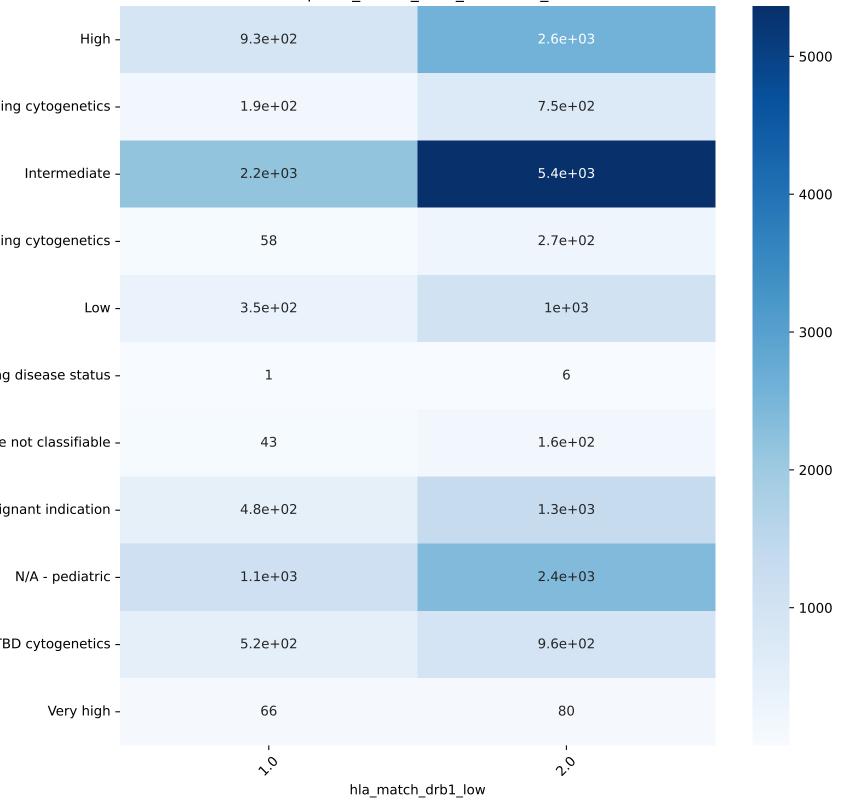
Heatmap: hla\_nmdp\_6 vs dri\_score

High -	3	6.9e+02	1.7e+02	4.3e+02	2e+03	- 4000
ing cytogenetics -	0	1.4e+02	39	1.2e+02	5.8e+02	- 3500
Intermediate -	6	1.5e+03	4e+02	9.2e+02	4.2e+03	
ing cytogenetics -	0	35	19	32	2.2e+02	- 3000
Low -	5	2.1e+02	67	1.4e+02	8.5e+02	- 2500
ıg disease status -	0	0	1	0	6	- 2000
e not classifiable -	0	25	7	26	1.4e+02	
ignant indication -	5	2.7e+02	72	2.4e+02	1.1e+03	- 1500
N/A - pediatric -	8	6.8e+02	1.5e+02	5e+02	2e+03	- 1000
BD cytogenetics -	2	3.3e+02	75	1.8e+02	8.2e+02	- 500
Very high -	0	33	10	21	74	
	2.0	3.0	hla_nmdp_6	50	6.0	- 0

Heatmap: hla\_match\_c\_low vs dri\_score

		. – – –	<b>—</b>	
High -	10	9.4e+02	2.6e+03	
ing cytogenetics -	2	1.8e+02	7.3e+02	- 5000
Intermediate -	25	1.9e+03	5.6e+03	
ing cytogenetics -	0	57	2.6e+02	- 4000
Low -	2	2.9e+02	1.1e+03	
g disease status -	0	1	6	- 3000
e not classifiable -	1	29	1.7e+02	
ignant indication -	6	3.3e+02	1.5e+03	- 2000
N/A - pediatric -	9	8e+02	2.7e+03	1000
BD cytogenetics -	5	3.8e+02	1.1e+03	- 1000
Very high -	0	42	1e+02	
	0.0	رٰہ hla_match_c_low	2.0	- 0

Heatmap: hla\_match\_drb1\_low vs dri\_score



Heatmap: hla\_match\_dqb1\_low vs dri\_score

	•		<b>—</b>	
High -	10	7.1e+02	2.6e+03	- 5000
ing cytogenetics -	2	1.4e+02	7.1e+02	
Intermediate -	28	1.7e+03	5.4e+03	- 4000
ing cytogenetics -	3	53	2.3e+02	
Low -	4	2.5e+02	9.5e+02	- 3000
g disease status -	0	0	7	
e not classifiable -	0	20	1.7e+02	- 2000
ignant indication –	7	3.2e+02	1.4e+03	
N/A - pediatric -	13	7.2e+02	2.6e+03	- 1000
BD cytogenetics -	5	3.4e+02	1.1e+03	1000
Very high -	0	35	1.1e+02	- 0
	00	رٰہ hla_match_dqb1_low	2.0	- 0

Heatmap: year\_hct vs dri\_score

High 3	3.5e+02	84	52	1e+02	.7e+0	22.3e+012	.2e+0	27e+06	29e+06	26e+08	<b>2</b> 1e+02	2 68	1		- 2000
ing cytogenetics -	99	21	26	27	62	82	62	69 2	.1e+0I	26e+02	26e+02	2 31	0		- 1750
Intermediate 7	7.1e+0 <u>1</u> 2	4e+012	22e+0	<b>2</b> e+0 <b>∑</b>	.1e+0	27e+03	.2e+06	28e+01	2.3e+0I	35e+Œ	B1e+0	.8e+02	0		
ing cytogenetics -	65	14	3	9	22	29	11	26	59	41	90	8	1		- 1500
Low 2	2.4e+02	62	20	33	78 :	1.1e+02	2 61 1	2e+02	24e+02	23e+Œ	<b>2</b> 2e+02	2 20	0		- 1250
ıg disease status -	. 0	0	0	0	0	0	1	0	3	2	1	0	0		- 1000
e not classifiable -	- 26	2	1	4	5	16	9	9	54	28	61	6	0		
ignant indication $1$	2e+02	35	22	24	98 :	1.4e+02	82 1	l.3e+04	21e+02	29e+Œ	22e+02	2 87	0		- 750
N/A - pediatric 2	2.8e+02	31	34	44 1	.5e+0	22.5e+012	2.6e+02	27e+07	25e+05	27e+0	21e+01	.5e+02	2	-	- 500
BD cytogenetics -	98	8	12	27	70	80	60 1	2e+03	22e+02	26e+04	<b>2</b> 8e+02	2 57	0	-	- 250
Very high -	. 9	1	0	3	5	5	8	13	26	29	53	5	0		0
	2008	2009	2020	2017	2017	20 <sup>1,3</sup>	၇ <sup>၇</sup> ear_hc	zojs t	2026	2017	2018	2010	2020	-	- 0

Heatmap: hla\_match\_a\_high vs dri\_score

			<del>_</del>		
High -	4	9.7e+02	2.4e+03		
ng cytogenetics -	4	2.4e+02	6.2e+02	-	- 4000
Intermediate -	17	2.2e+03	4.8e+03		
ng cytogenetics -	0	63	2.3e+02		
Low -	4	3.1e+02	9.4e+02		3000
ı disease status -	0	1	6		
not classifiable -	0	45	1.5e+02	-	- 2000
ınant indication –	6	4.1e+02	1.3e+03		
N/A - pediatric -	9	9.8e+02	2.3e+03	-	- 1000
BD cytogenetics -	6	4.3e+02	9.7e+02		
Very high -	0	49	91		. 0
	00	\frac{\sqrt{\chi}}{\sqrt{\chi}} hla_match_a_high	2.0		- 0

## Heatmap: donor\_age vs dri\_score

High	-926 <b>977</b> 24 <b>11.98880269885594658494966555668468698897</b> 8858482 <b>8373</b> 072322000	- 250
ing cytogenetics	-05591 <b>022332482244983834803232323174228048002858095613</b> 5141312000000	
Intermediate	15/14: A 2010	- 200
ing cytogenetics	-014851 <b>2</b> 0681 <b>30</b> 074971 <b>20</b> 0491048486441061188583469564611676363304110000000000	
Low	-51 <b>8234488448333280620222223226952822922366230320364</b> 3710152010000000	- 150
ıg disease status	-00000020000010000000000000000010000011000000	
e not classifiable	-0230556486129534334827334225335231032212432154763231031102100000100	- 100
ignant indication	-292 <b>335558875838349663230342269905525194327335292318123</b> 45101320001100	
N/A - pediatric	-42 <b>3BB</b>	- 50
BD cytogenetics	-4153339959564433322321940300124220038930148252381991191151082211102000	
Very high	-221413107136522412112331023342320031112120134341203030210000000000	
^	\$\frac{1}{2}\frac{1}{2	- 0

Heatmap: hla\_match\_b\_low vs dri\_score

High -	7	1.1e+03	2.5e+03	- 5000
ing cytogenetics -	4	2.1e+02	7.3e+02	
Intermediate -	13	2.2e+03	5.4e+03	- 4000
ing cytogenetics -	1	71	2.6e+02	
Low -	3	3.2e+02	1e+03	- 3000
ıg disease status -	0	1	6	
e not classifiable -	1	36	1.7e+02	- 2000
ignant indication -	8	4.3e+02	1.4e+03	
N/A - pediatric -	12	9.6e+02	2.6e+03	- 1000
BD cytogenetics -	3	4.3e+02	1.1e+03	1000
Very high -	0	46	97	
	0,0	ر م hla_match_b_low	2.0	- 0

## Heatmap: age\_at\_hct vs dri\_score

High 292904891168633330196616571191926548068916887218649456869996996673998699902	- 350
ing cytogenetics 1021651424.15295835473121534599.134222022202196555.1323298582979122254833920872100	330
Intermediate 8 <b>9983</b> 805 <b>2929</b> 86066 <b>95985280926980420</b> 111164200111164200111182241118224111420111822411111642001111164200111118222411182224111116420011111642001111116420011111822241111822241111164200111116420011111642001111182224111182224111182224111116420011111642001111116420011111822241111822241111164200111116420011111164200111111642001111116420011111164200111111642001111116420011111164200111111642001111116420011111164200111111642001111116420011111164200111111642001111111111	- 300
ing cytogenetics 126542201123352652322002114214958917128651287412375451078120095624378811951110000	- 250
Low 425900068614002315487594144491304769493438568004406334655960181170832684721100	
ıg disease status -1000000001000100000000000000000000000	- 200
e not classifiable 1&5427263555522451401010100010422694525143222425115523230120243482515310000	- 150
ignant indication7 <del>e05829</del> 5923096425333862479110711674913225098068288542022924383322882023330208481000	
N/A - pediatrid 15 2 4 4 15 2 4 4 15 2 5 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 100
BD cytogenetits7 <del>e<b>001125</b>80239225688822395</del> 4102845911088928025198751624818222212367122472221645630000	- 50
Very high 165533211513585433170130220120211023441700112001222040210112001122211100000	
0.ソ・w・6.のくうごうからうつうつうつうつうつうつうつうつうつうつうつうつ 0.ソ・w・6.のくうごうからいっからいっからいっからいっかいからいいからのいっかい。 age_at_hct	- 0

Heatmap: hla\_match\_a\_low vs dri\_score

High -	4	1e+03	2.5e+03	- 5000
ng cytogenetics -	1	2.5e+02	6.9e+02	
Intermediate -	21	2.4e+03	5.2e+03	- 4000
ng cytogenetics -	0	65	2.6e+02	
Low -	2	3.2e+02	1.1e+03	- 3000
g disease status -	0	1	6	
not classifiable -	1	39	1.6e+02	- 2000
gnant indication -	4	4.4e+02	1.4e+03	
N/A - pediatric -	6	1e+03	2.5e+03	- 1000
BD cytogenetics -	1	4.4e+02	1.1e+03	
Very high -	0	54	90	
	0.0	ہٰہٰ hla_match_a_low	2.0	- 0

Heatmap: hla\_match\_b\_high vs dri\_score

			<del>_</del>	
High –	11	1.1e+03	2.2e+03	
ing cytogenetics -	3	2.2e+02	6.6e+02	- 4000
Intermediate -	25	2.2e+03	4.8e+03	
ing cytogenetics -	2	55	2.3e+02	
Low -	4	3.2e+02	9.3e+02	- 3000
g disease status -	0	1	6	
e not classifiable -	0	39	1.5e+02	- 2000
ignant indication –	4	4.2e+02	1.3e+03	
N/A - pediatric -	7	9.6e+02	2.4e+03	- 1000
BD cytogenetics -	4	4.4e+02	9.9e+02	
Very high -	1	51	92	- 0
	0,0	رٰ hla_match_b_high	2.0	- 0

Heatmap: comorbidity\_score vs dri\_score

High -	1.1e+03	5.6e+02	3.2e+02	3.4e+02	2.1e+02	1.9e+02	l.5e+02	1.2e+02	65	44	18		
ing cytogenetics -	3.5e+02	1.9e+022	2.8e+02	89	53	59	33	22	11	8	3	- 250	00
Intermediate -	2.8e+03	1.5e+03	L.8e+03	7.9e+02	1.1e+02	4e+02	2e+02:	1.2e+02	72	47	29		
ing cytogenetics -	1.7e+02	64	80	19	19	9	5	4	1	2	0	- 200	00
Low -	· 7e+02 2	2.8e+022	2.5e+02	L.2e+02	55	44	30	14	20	5	3		
ıg disease status -	1	1	1	1	1	0	2	0	0	0	0	- 150	00
e not classifiable -	83	26	59	17	9	11	7	3	2	1	1		
ignant indication -	8.1e+02	2.7e+02	4e+02 1	L.8e+02	86	74	46	25	18	13	5	- 100	00
N/A - pediatric -	1.6e+03	5.8e+0 <i>2</i> 7	7.4e+02	2.8e+02	L.7e+02	1.3e+02	70	56	33	24	7		
BD cytogenetics -	7.7e+02	2.3e+022	2.6e+02	l.1e+02	77	62	29	19	6	10	0	- 500	0
Very high -	77	26	23	15	4	7	2	2	1	0	0		
	0.0	<i>&gt;</i> .	2.0	3.	como	တွ <sup>်</sup> orbidity_s	6. score	10	80.	90	20,0	- 0	

Heatmap: karnofsky\_score vs dri\_score

			•	<i>,</i> _	_				
High –	2	6	2.3e+02	1e+03	2.6e+02	2e+03	2.1e+02		
ing cytogenetics -	0	9	54	3.2e+02	92	5.6e+02	61		- 4000
Intermediate -	3	25	4.2e+02	2.2e+03	5.5e+02	4.5e+03	4.2e+02		
ing cytogenetics -	0	1	16	84	25	1.9e+02	46		- 3000
Low -	1	6	56	3.2e+02	1.2e+02	8.7e+02	1.2e+02		
g disease status -	0	0	0	2	0	3	2		
e not classifiable -	1	1	4	43	23	1.1e+02	30		- 2000
ignant indication –	1	5	70	3.8e+02	1.6e+02	9.7e+02	2.8e+02		
N/A - pediatric -	1	9	1.2e+02	6.8e+02	2.6e+02	2e+03	5.4e+02		- 1000
BD cytogenetics -	0	3	35	2.6e+02	93	9e+02	2.4e+02		
Very high -	0	0	4	25	12	92	19		- 0
	<sup>10</sup> 0	50,0	60,0	100	80,0	90,0	200,0		U
karnofsky_score									

Heatmap: hla\_low\_res\_8 vs dri\_score

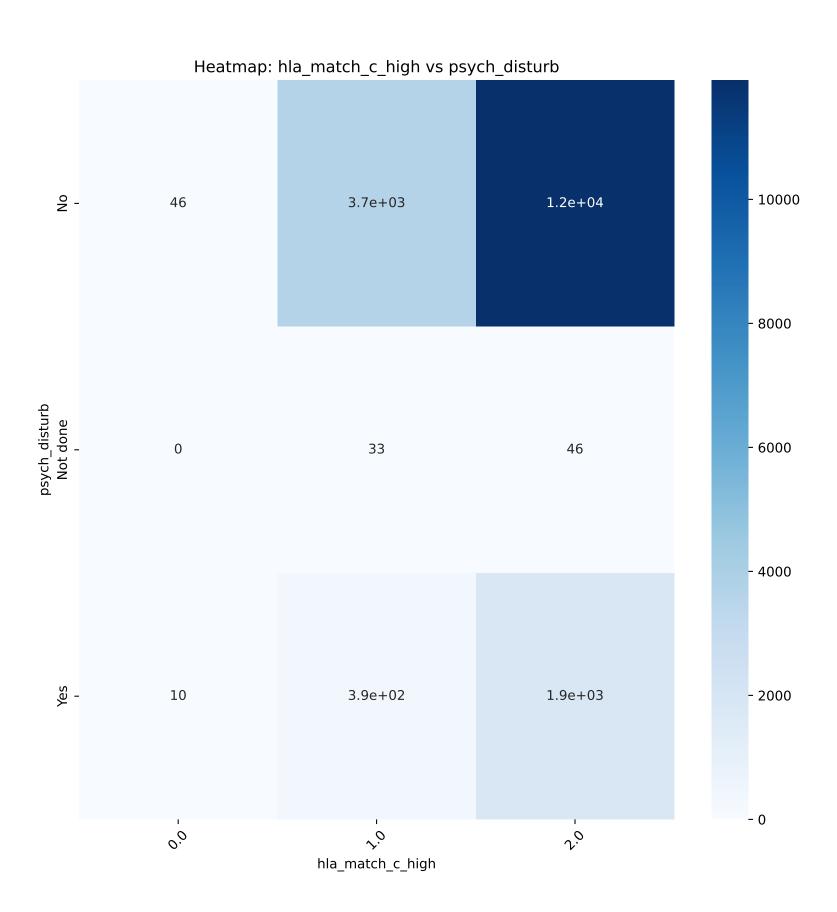
ing cytogenetics - 0 0 1.2e+02 52 42 87 5.8e+02 - 35:  Intermediate - 1 8 1.4e+03 4.3e+02 4e+02 7e+02 4.3e+03 - 35:  ing cytogenetics - 0 0 35 14 8 27 2.2e+02 - 30:  Low - 0 2 1.8e+02 73 66 1.2e+02 8.7e+02 - 25:  g disease status - 0 0 1 0 0 6 - 20:  e not classifiable - 0 0 15 14 11 22 1.4e+02 - 15:  gnant indication - 0 1 2.3e+02 1.1e+02 98 2e+02 1.1e+03 - 10:  N/A - pediatric - 0 2 5.6e+02 2.4e+02 2.2e+02 4.3e+02 2e+03 - 10:  BD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02				-					
Intermediate - 1 8 1.4e+03 4.3e+02 4e+02 7e+02 4.3e+03 ing cytogenetics - 0 0 35 14 8 27 2.2e+02 -30	High -	0	3	6.1e+02	2.2e+02	2.1e+02	3.3e+02	2e+03	- 4000
Intermediate - 1 8 1.4e+03 4.3e+02 4e+02 7e+02 4.3e+03 ing cytogenetics - 0 0 35 14 8 27 2.2e+02 -30	ing cytogenetics -	0	0	1.2e+02	52	42	87	5.8e+02	2500
Low - 0	Intermediate -	1	8	1.4e+03	4.3e+02	4e+02	7e+02	4.3e+03	- 3500
g disease status - 0 0 1 0 0 0 6 - 20 e not classifiable - 0 0 15 14 11 22 1.4e+02 - 15 gnant indication - 0 1 2.3e+02 1.1e+02 98 2e+02 1.1e+03 - 15 N/A - pediatric - 0 2 5.6e+02 2.4e+02 2.2e+02 4.3e+02 2e+03 - 10 BD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02 - 50 Very high - 0 0 32 12 14 12 70 - 0	ing cytogenetics -	0	0	35	14	8	27	2.2e+02	- 3000
e not classifiable - 0 0 15 14 11 22 1.4e+02 - 15i ignant indication - 0 1 2.3e+02 1.1e+02 98 2e+02 1.1e+03 - 15i N/A - pediatric - 0 2 5.6e+02 2.4e+02 2.2e+02 4.3e+02 2e+03 - 10i TBD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02 - 50i Very high - 0 0 32 12 14 12 70 - 0	Low -	0	2	1.8e+02	73	66	1.2e+02	8.7e+02	- 2500
ignant indication - 0 1 2.3e+02 1.1e+02 98 2e+02 1.1e+03 - 150  N/A - pediatric - 0 2 5.6e+02 2.4e+02 2.2e+02 4.3e+02 2e+03 - 100  BD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02 - 500  Very high - 0 0 32 12 14 12 70 - 0	ıg disease status -	0	0	1	0	0	0	6	- 2000
ignant indication - 0 1 2.3e+02 1.1e+02 98 2e+02 1.1e+03  N/A - pediatric - 0 2 5.6e+02 2.4e+02 2.2e+02 4.3e+02 2e+03 - 10  BD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02 - 50  Very high - 0 0 32 12 14 12 70  - 0	e not classifiable -	0	0	15	14	11	22	1.4e+02	
TBD cytogenetics - 0 0 2.6e+02 1.1e+02 1e+02 1.4e+02 8.2e+02 -50  Very high - 0 0 32 12 14 12 70  -0 -0	ignant indication -	0	1	2.3e+02	1.1e+02	98	2e+02	1.1e+03	- 1500
Very high - 0 0 32 12 14 12 70 $-0$	N/A - pediatric -	0	2	5.6e+02	2.4e+02	2.2e+02	4.3e+02	2e+03	- 1000
	BD cytogenetics -	0	0	2.6e+02	1.1e+02	1e+02	1.4e+02	8.2e+02	- 500
2º 3º 6º 4º 6º	Very high -	0	0	32	12	14	12	70	0
		2.0	3.0				10	8.0	- 0

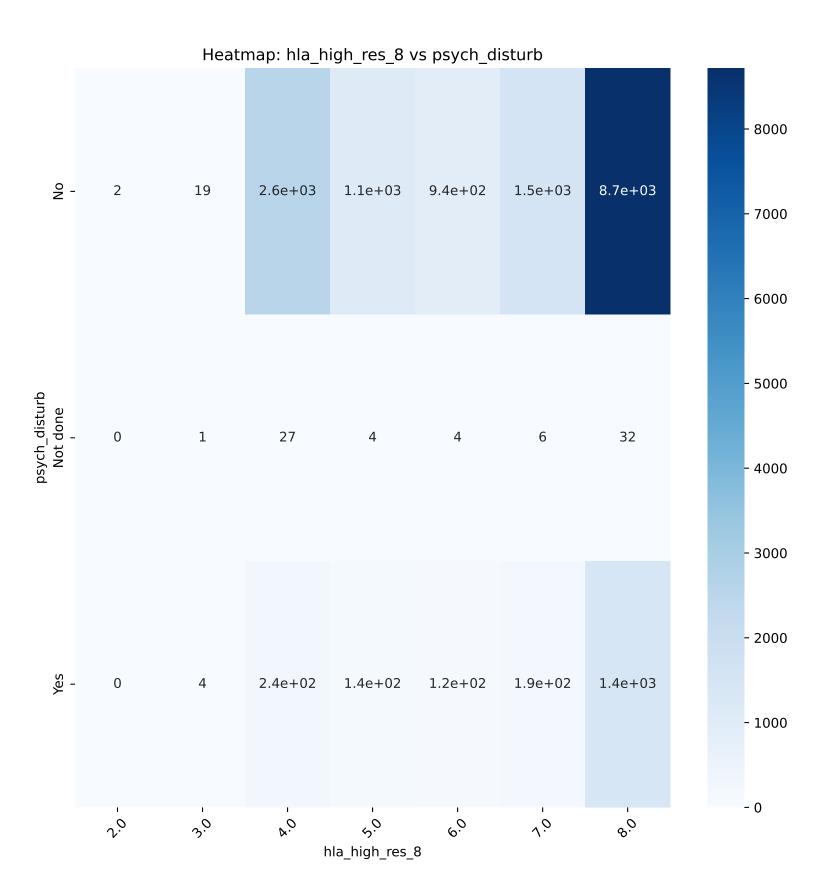
Heatmap: hla\_match\_drb1\_high vs dri\_score

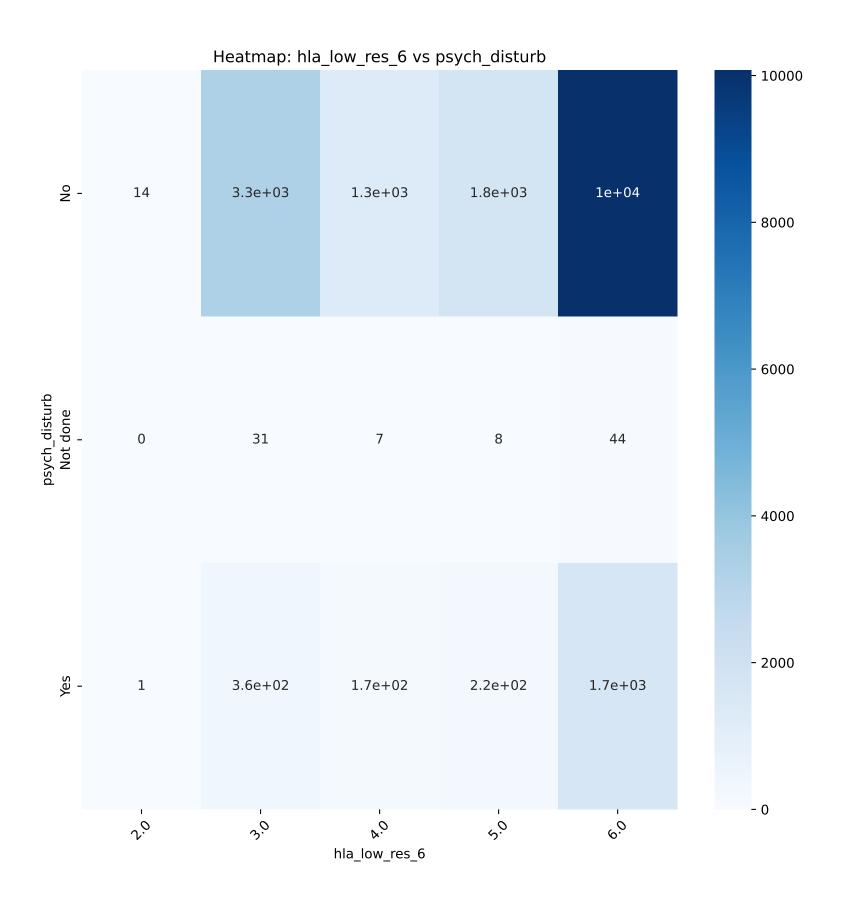
	•		<b>—</b>	
High -	10	9.4e+02	2.5e+03	- 5000
ing cytogenetics -	3	2e+02	7.1e+02	
Intermediate -	18	2.1e+03	5.1e+03	- 4000
ing cytogenetics -	0	68	2.4e+02	
Low -	2	3.5e+02	9.7e+02	- 3000
ıg disease status -	0	1	6	
e not classifiable -	0	42	1.6e+02	- 2000
ignant indication -	5	4.6e+02	1.3e+03	
N/A - pediatric -	9	1.1e+03	2.4e+03	- 1000
BD cytogenetics -	5	5e+02	9.4e+02	
Very high -	1	57	88	0
	0.0	رٰہ hla_match_drb1_high	2.0	- 0

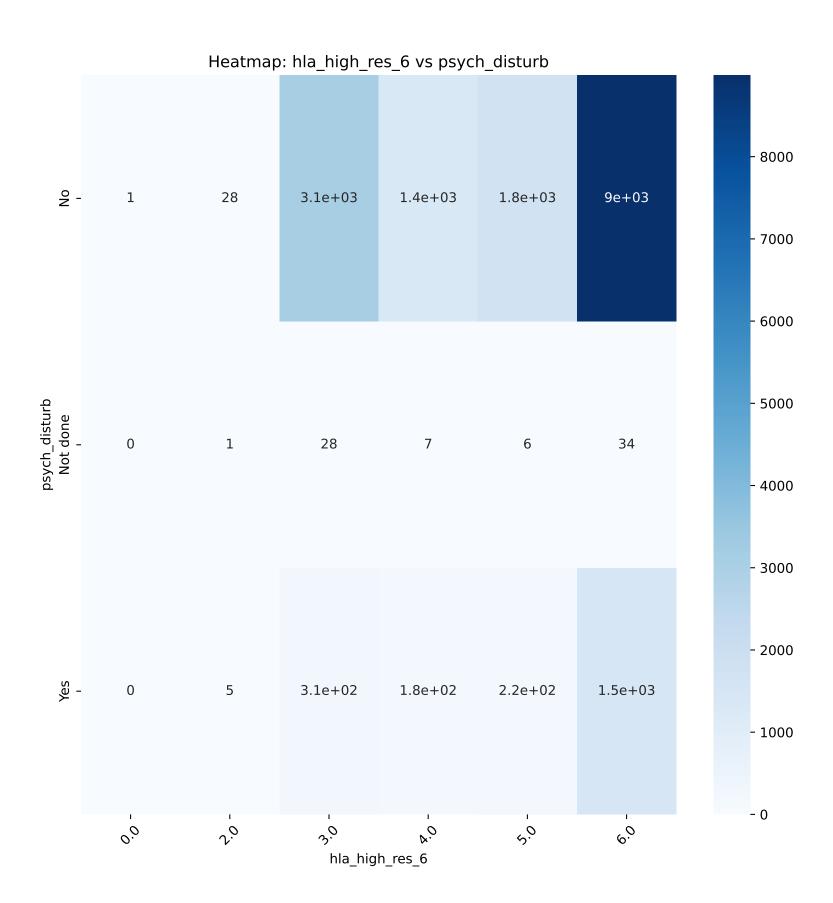
Heatmap: hla\_low\_res\_10 vs dri\_score

			•		_					
High -	2	4.6e+02	2.2e+02	1.7e+02	2e+02	3.2e+02	1.9e+03			
ing cytogenetics -	0	74	64	36	43	93	5.1e+02		- 3500	
Intermediate -	12	1.1e+03	4.6e+02	3.1e+02	3.8e+02	6.7e+02	3.9e+03		- 3000	
ing cytogenetics -	0	27	12	11	10	30	1.8e+02		- 2500	
Low -	2	1.4e+02	69	51	65	1e+02	7.5e+02		2300	
g disease status -	0	0	1	0	0	0	6		- 2000	
e not classifiable -	0	10	9	9	12	18	1.2e+02		- 1500	
gnant indication –	2	1.7e+02	94	85	88	2e+02	1e+03			
N/A - pediatric -	5	4.1e+02	2.5e+02	1.7e+02	2.1e+02	4.2e+02	1.8e+03		- 1000	
BD cytogenetics -	0	1.9e+02	1.2e+02	73	92	1.5e+02	7.5e+02		- 500	
Very high -	0	20	16	11	13	10	66		0	
	Ø.	\$0	60	10	80	9.0	20:0		- 0	
	hla_low_res_10									

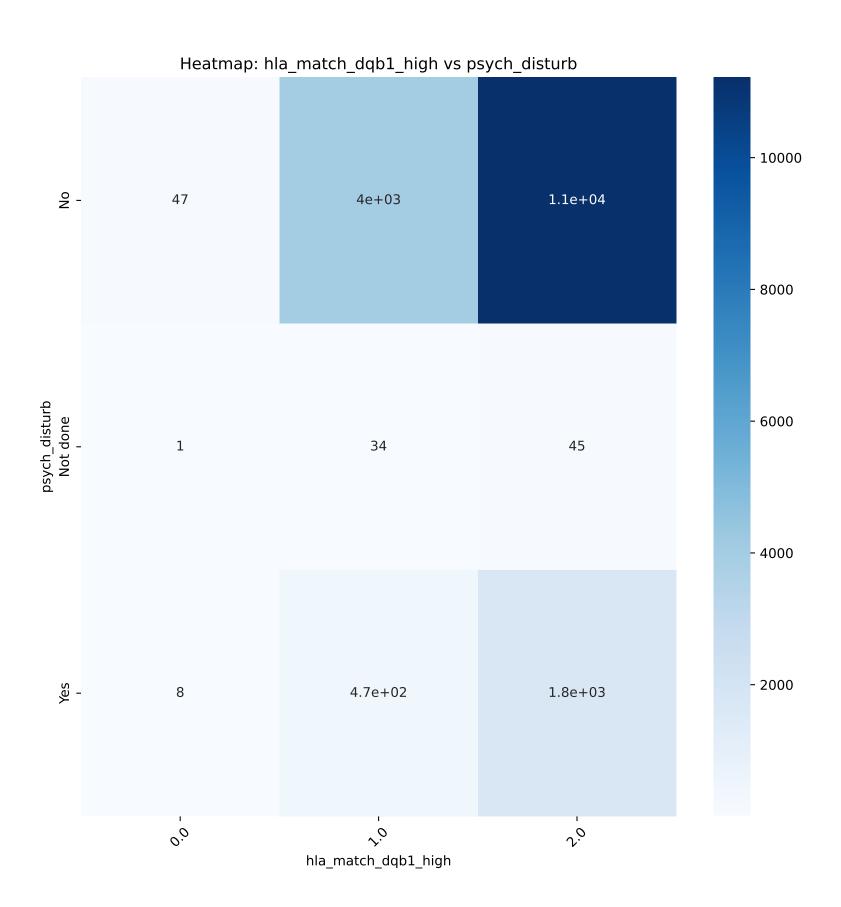


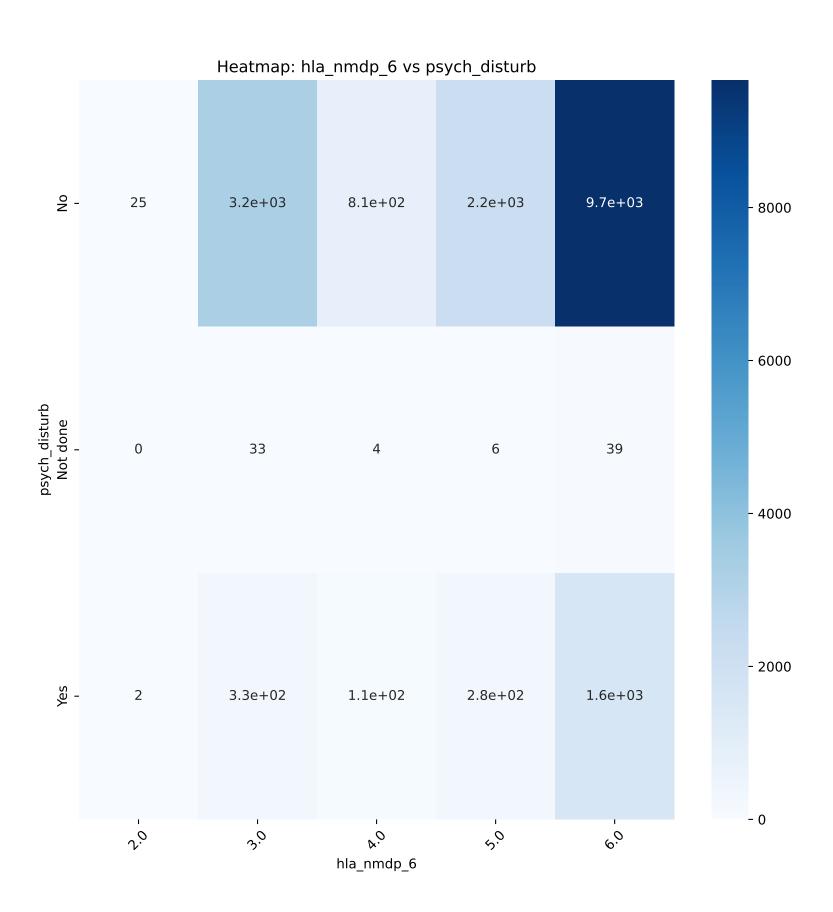


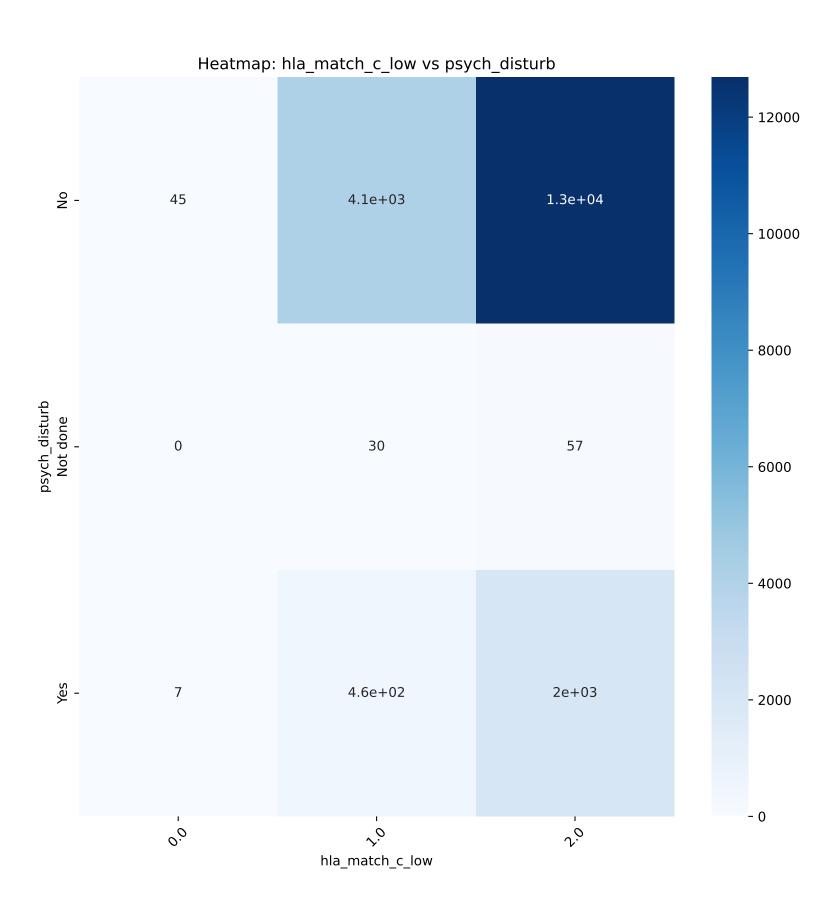


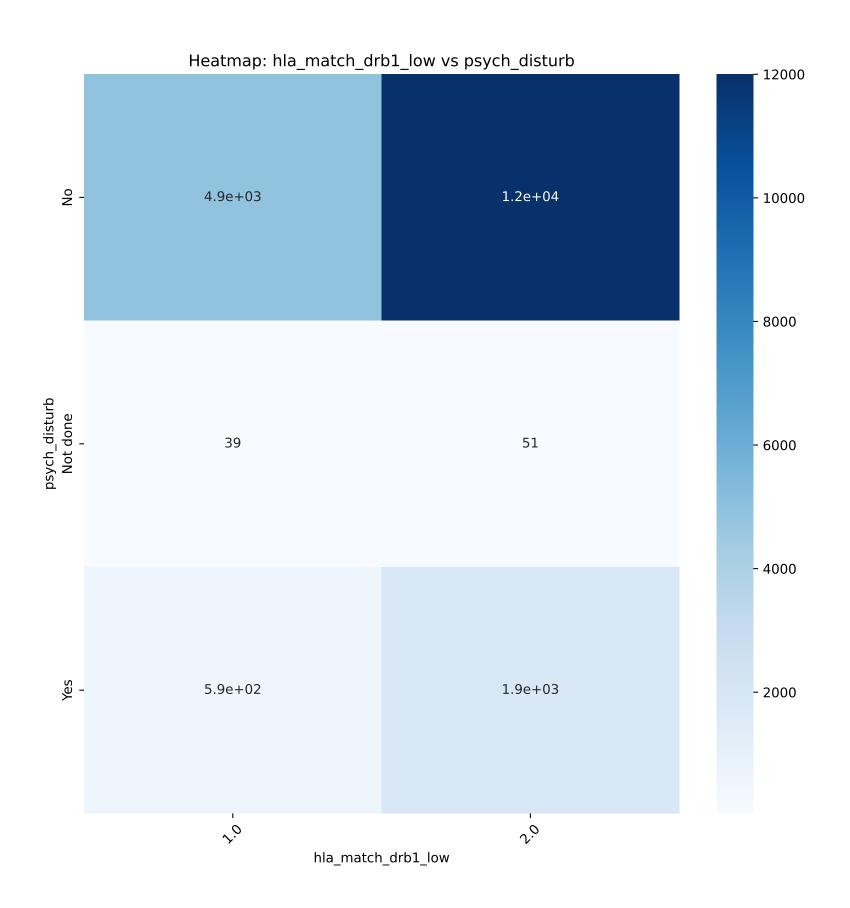


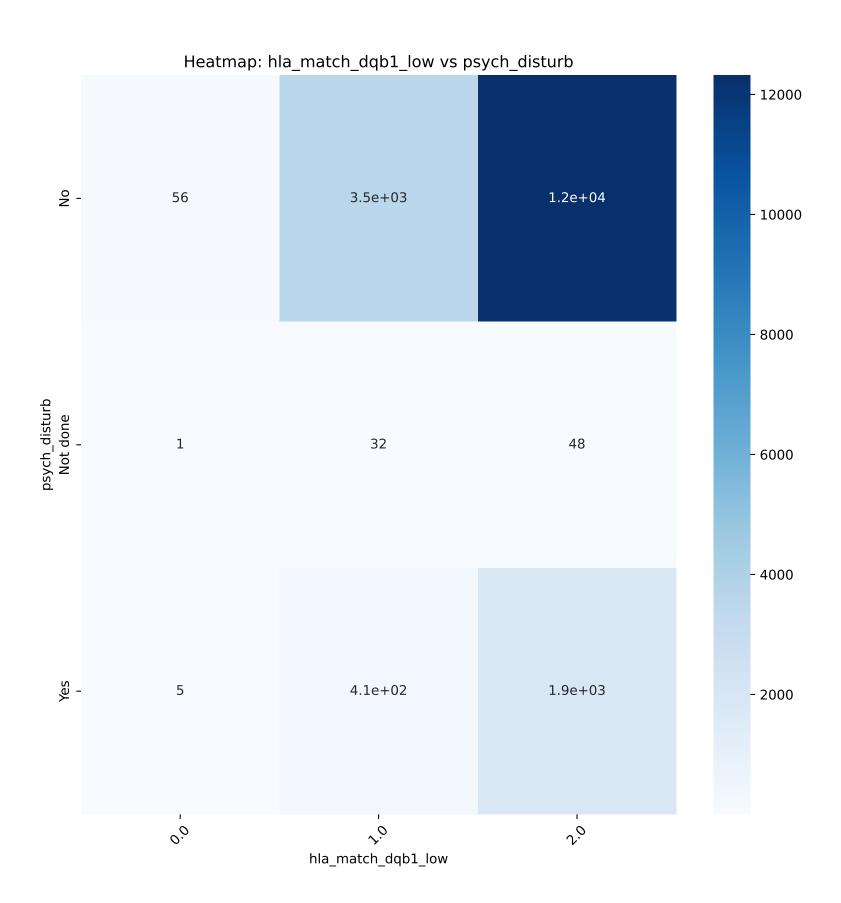
Heatmap: hla\_high\_res\_10 vs psych\_disturb - 7000 ဍိ -1 18 2.2e+03 8.9e+02 7.8e+02 8.1e+02 1.5e+03 7.9e+03 6000 - 5000 psych\_disturb Not done ' - 4000 0 22 7 2 5 3 28 0 - 3000 - 2000 Yes -2 2e+02 1e+02 90 1.1e+02 2e+02 1.3e+03 - 1000 - 0 \$. -°. ф. О 10 hla\_high\_res\_10

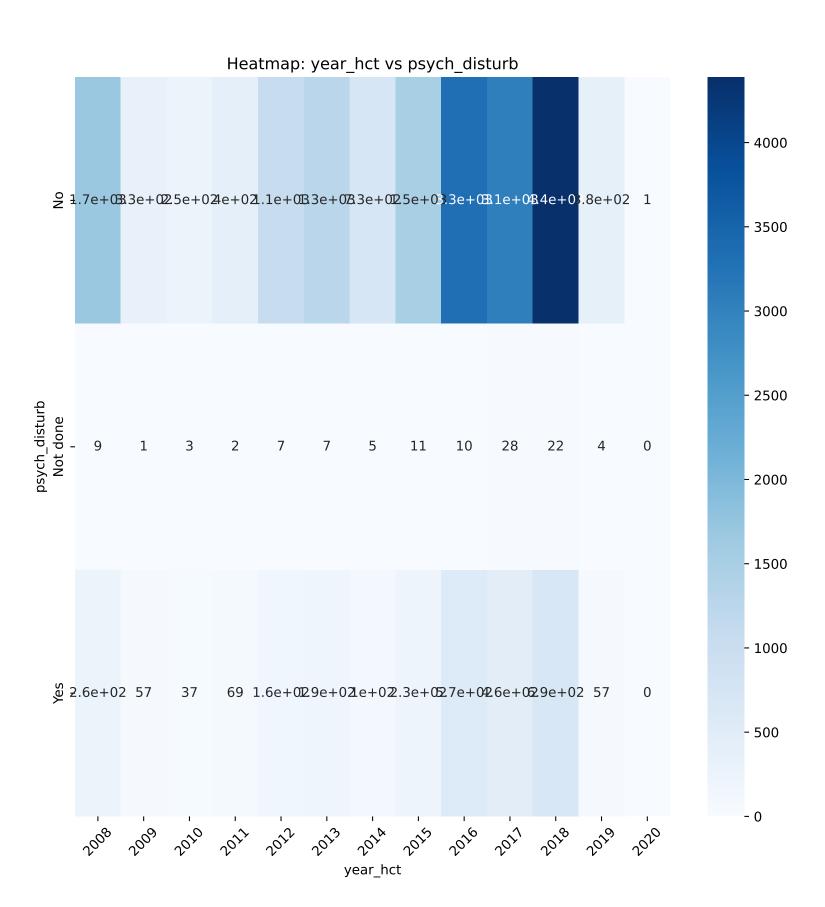


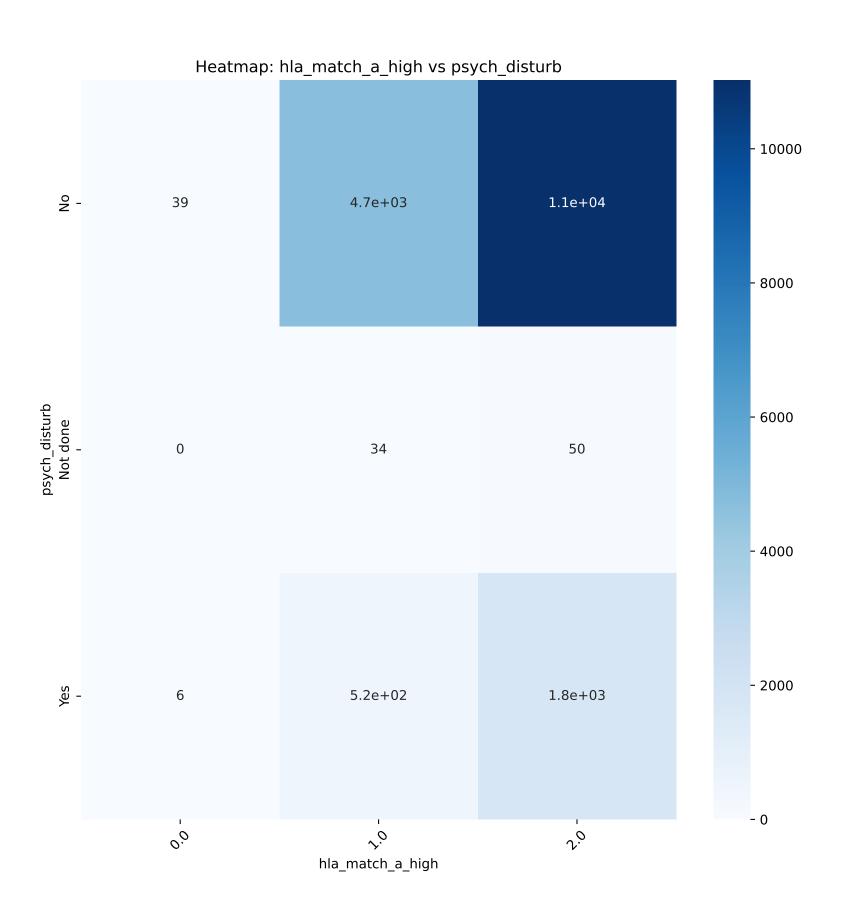




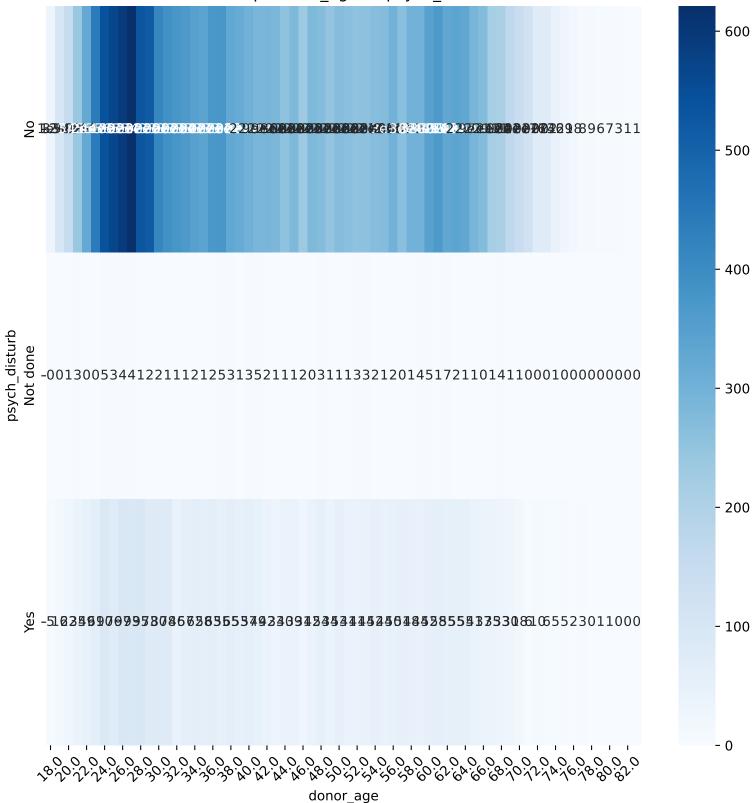


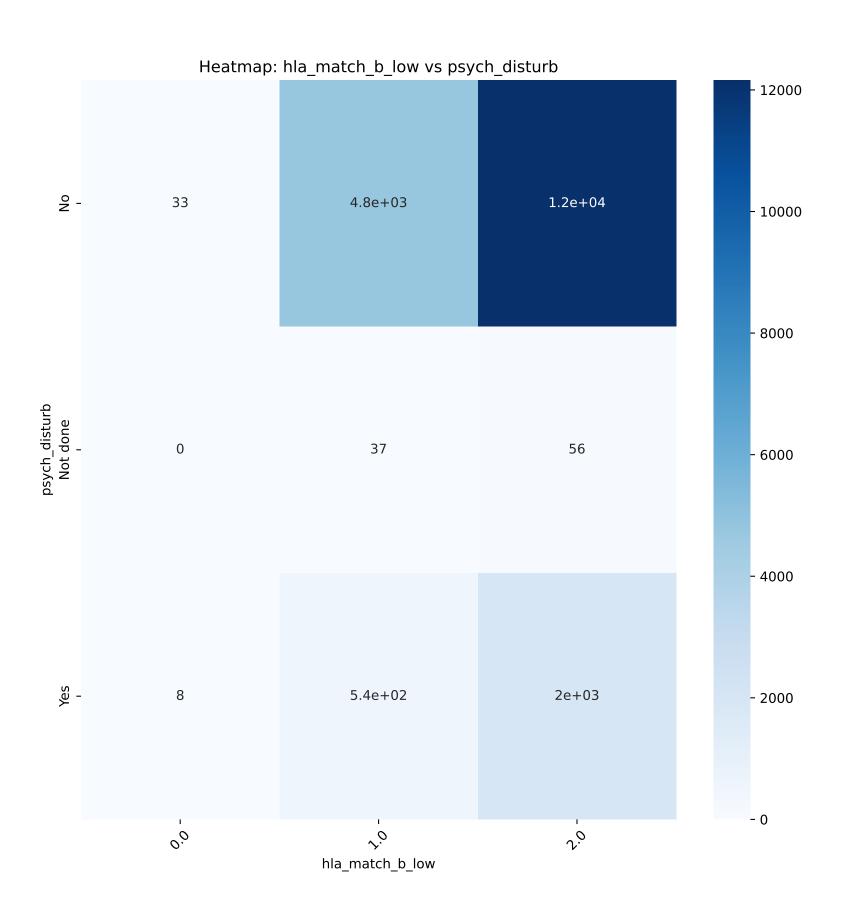






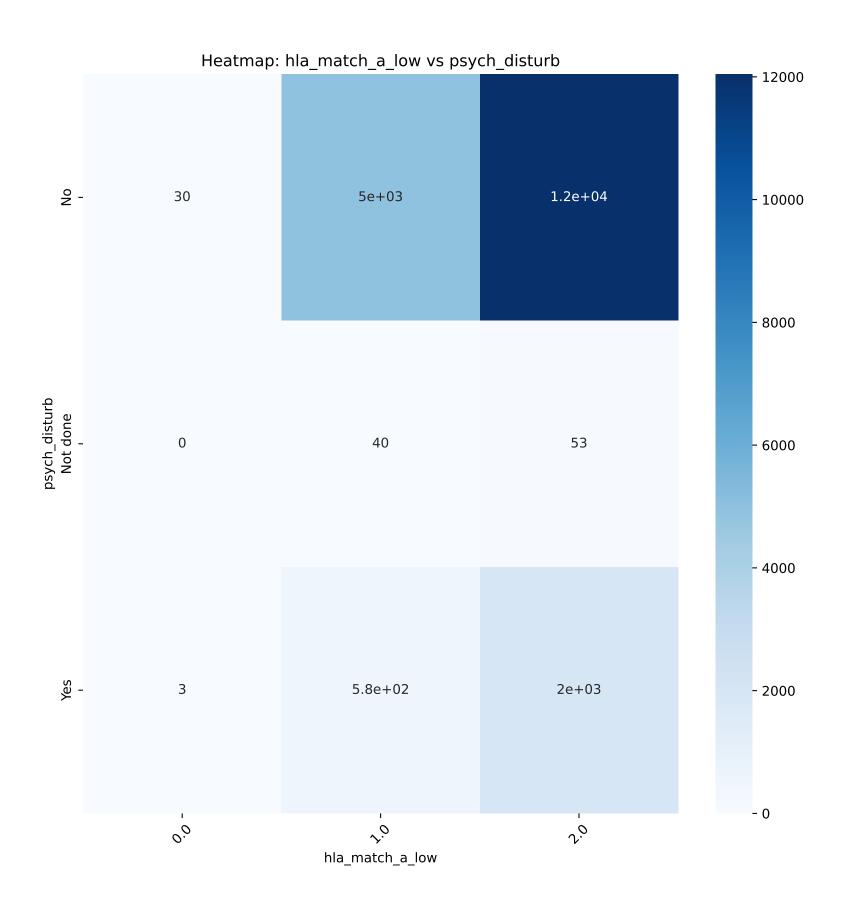


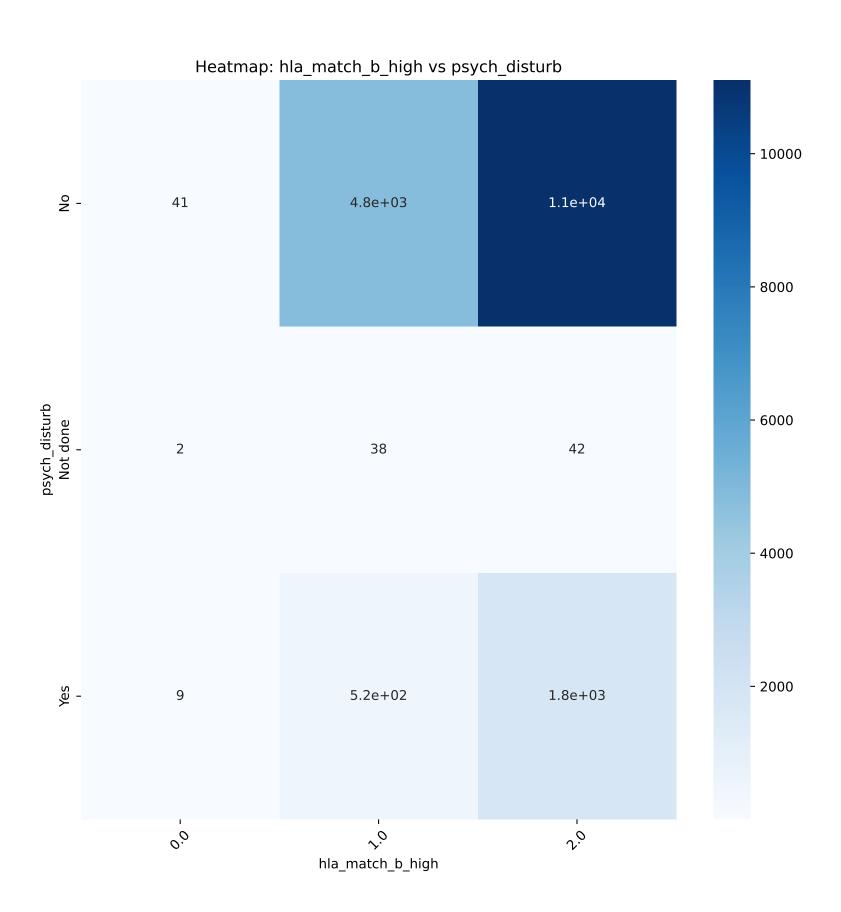


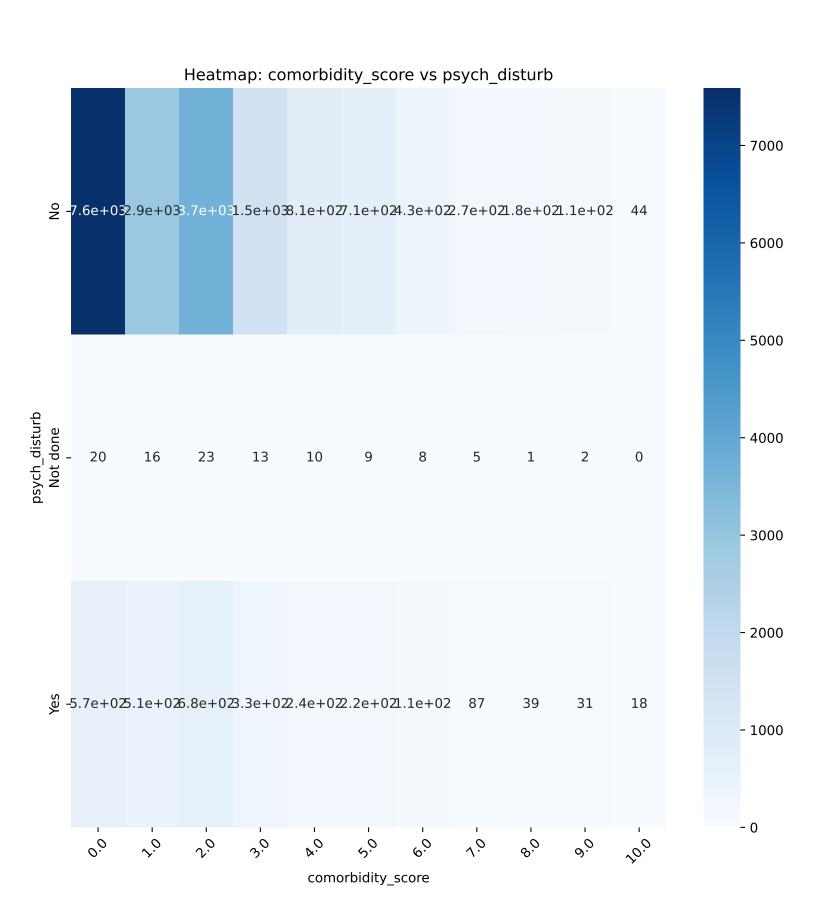


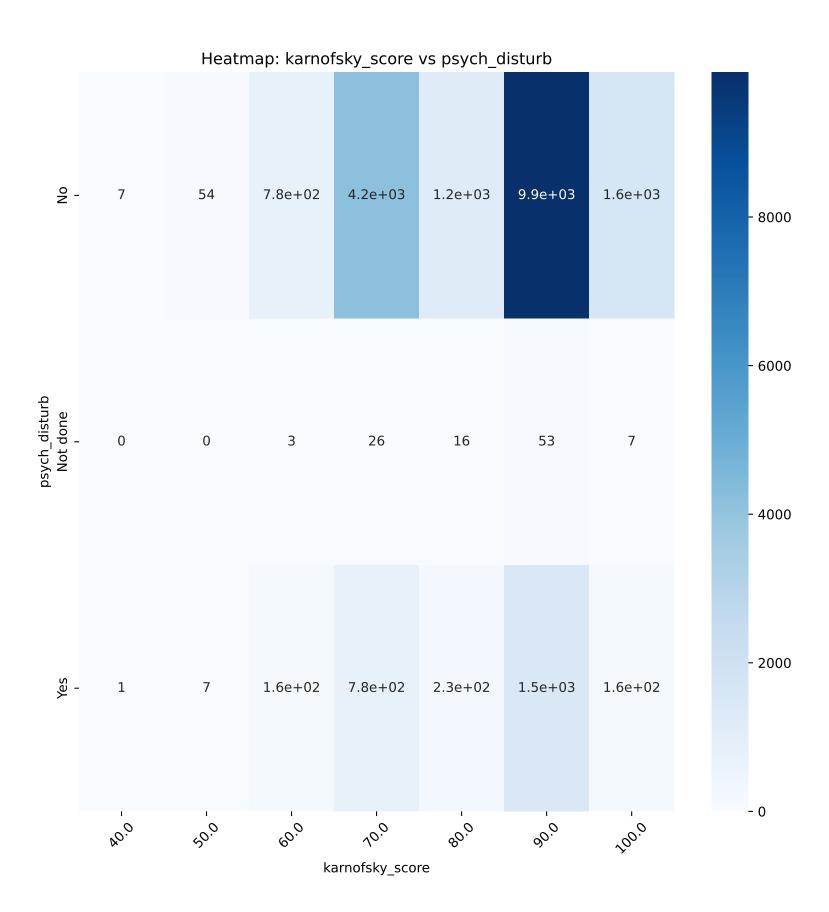
## Heatmap: age\_at\_hct vs psych\_disturb 800 700 600 500 psych\_disturb Not done 400 300 - 200 622322949690022631700127871235248456536695349536555383982699352548665340536100 - 100

- 0

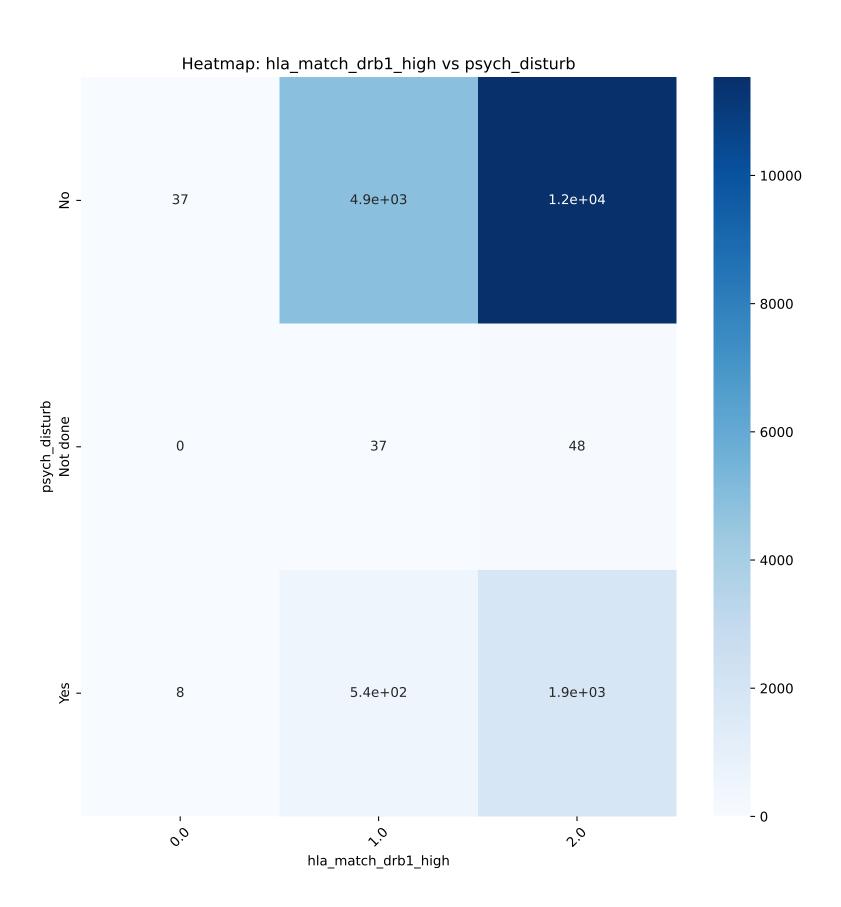








Heatmap: hla\_low\_res\_8 vs psych\_disturb ဍိ -2.8e+03 1 14 1.1e+03 9.3e+02 1.7e+03 9.8e+03 - 8000 - 6000 psych\_disturb Not done ' 0 0 25 9 2 7 43 - 4000 - 2000 Yes -1 3e+02 1.3e+02 1.3e+02 2.1e+02 1.6e+03 - 0 10 Þ. 0 50 60 hla\_low\_res\_8



Heatmap: hla\_low\_res\_10 vs psych\_disturb - 8000 ₽-19 2.2e+03 1.1e+03 7.7e+02 8.8e+02 1.6e+03 8.9e+03 - 7000 6000 psych\_disturb Not done ' 5000 20 9 3 33 1 8 - 4000 - 3000 - 2000 Yes -0 1.2e+02 81 1.4e+03 2.2e+02 1.3e+02 2.1e+02 - 1000 - 0 60 40 90 80

hla\_low\_res\_10

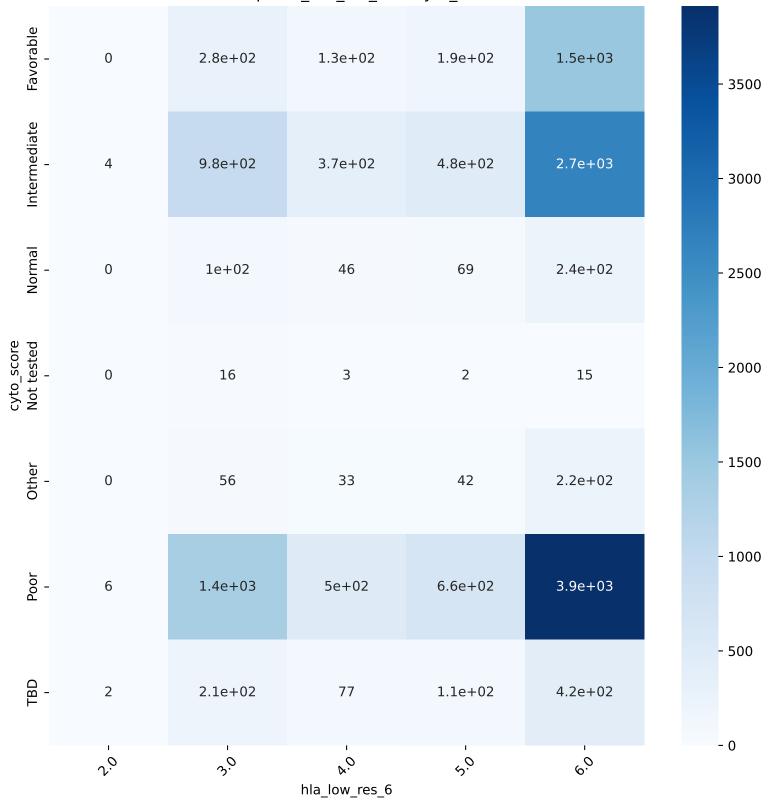
Heatmap: hla\_match\_c\_high vs cyto\_score Favorable 3.4e+02 9 1.7e+03 4000 Intermediate 13 1.1e+03 3.2e+03 Normal -- 3000 2 1.1e+02 3.1e+02 cyto\_score Not tested 14 0 20 2000 2.8e+02 0 58 Poor ' 1.6e+03 4.6e+03 20 - 1000 TBD -2.1e+02 5.7e+02 5 - 0 2·0 20

hla\_match\_c\_high

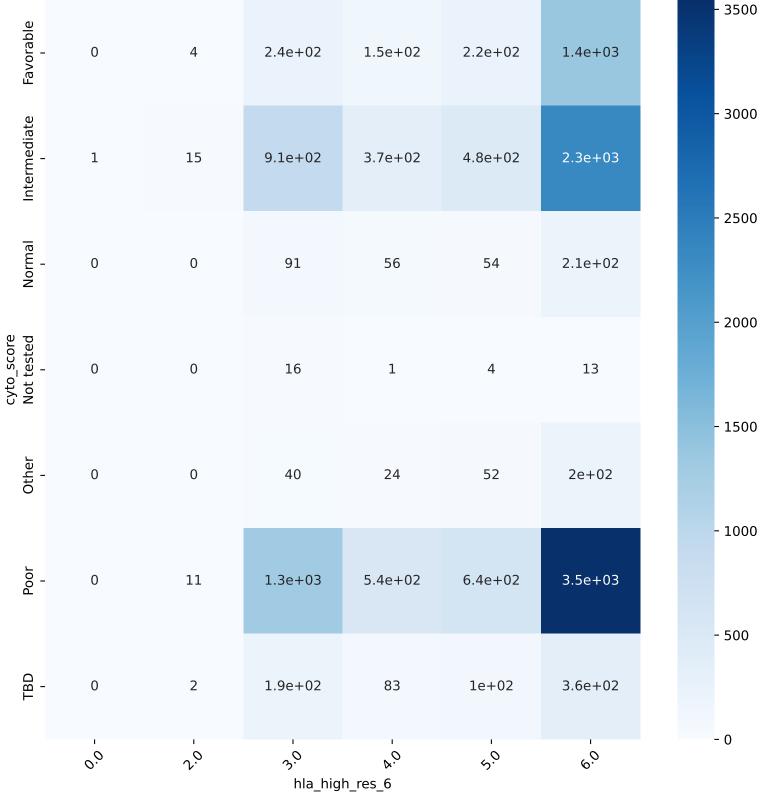
Heatmap: hla high res 8 vs cyto score

neathlap. hia_high_res_o vs cyto_score									
Favorable	0	3	2.1e+02	99	1.2e+02	1.9e+02	1.3e+03	- 3000	
Intermediate '	1	9	7.7e+02	3e+02	2.7e+02	4.2e+02	2.3e+03	- 2500	
Normal -	0	0	75	35	41	55	2e+02	- 2000	
cyto_score Not tested	0	0	12	4	1	3	13	- 1500	
Other -	0	0	33	19	18	46	1.9e+02	- 1000	
Poor -	0	6	1.1e+03	4.4e+02	3.7e+02	5.6e+02	3.4e+03		
TBD -	0	3	1.4e+02	90	54	84	3.5e+02	- 500	
	2.0	3.0	,0 h	တွ <sup>်</sup> lla_high_res_	8	10	Ø.	- 0	

Heatmap: hla\_low\_res\_6 vs cyto\_score



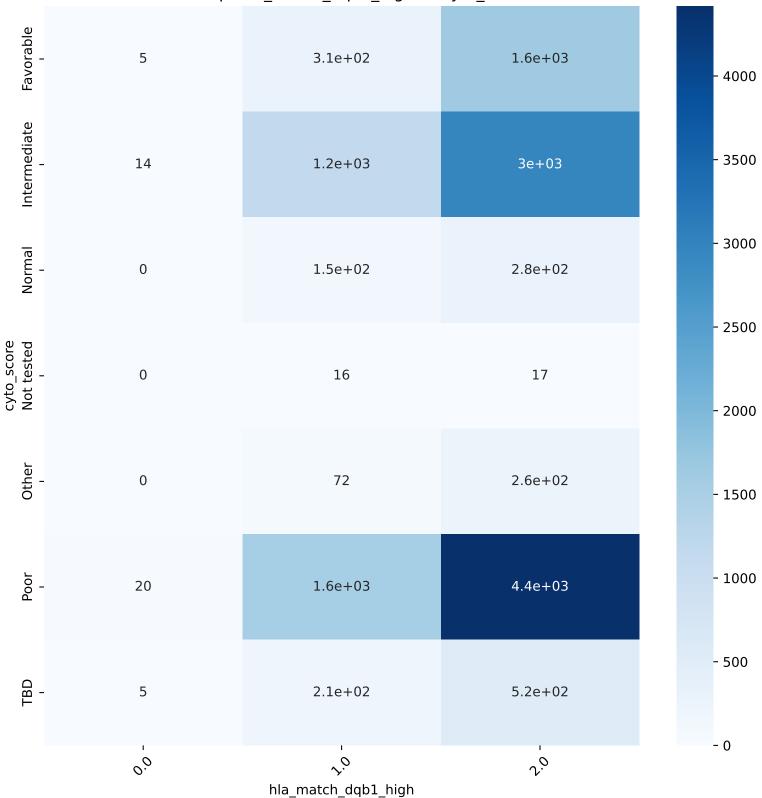
Heatmap: hla\_high\_res\_6 vs cyto\_score



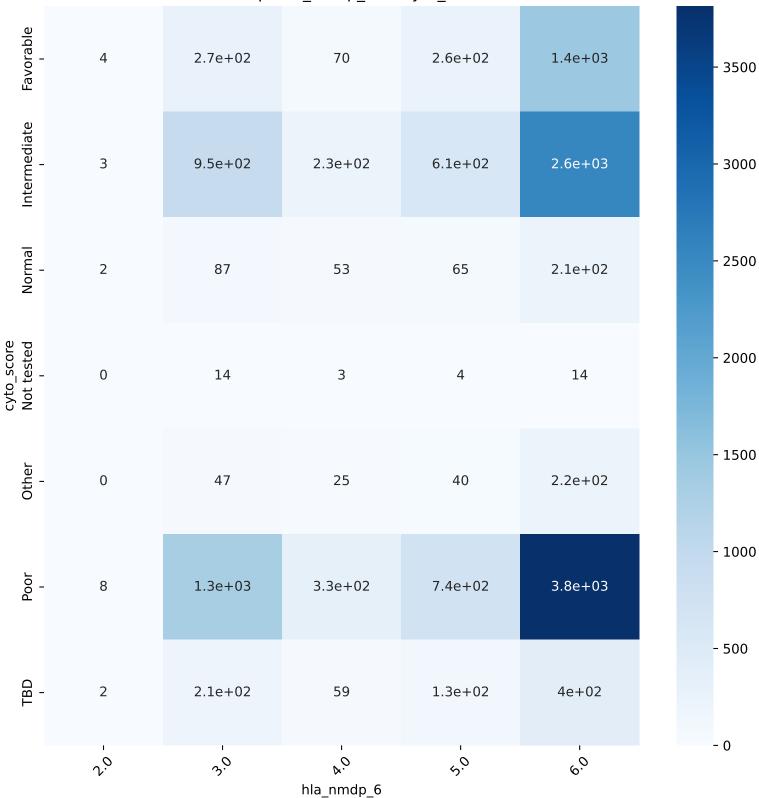
Heatmap: hla\_high\_res\_10 vs cyto\_score

rieachiap. ma_mgn_res_10 vs cyto_score									
Favorable	2	1.6e+02	79	74	1e+02	1.9e+02	1.2e+03		- 3000
Intermediate '	8	6.4e+02	2.6e+02	2e+02	2.3e+02	4.1e+02	2.1e+03		- 2500
Normal '	0	60	34	24	41	50	1.7e+02		- 2000
cyto_score Not tested	0	11	5	0	1	3	10		- 1500
Other 	0	30	12	18	15	42	1.8e+02		- 1000
Poor -	7	9e+02	3.7e+02	3.2e+02	3.1e+02	5.5e+02	3.1e+03		- 500
TBD -	. 1	1.2e+02	56	60	39	87	3e+02		
	<b>»</b> .	\$,0	60.	10	8.0	9.0	20,0		- 0
hla_high_res_10									

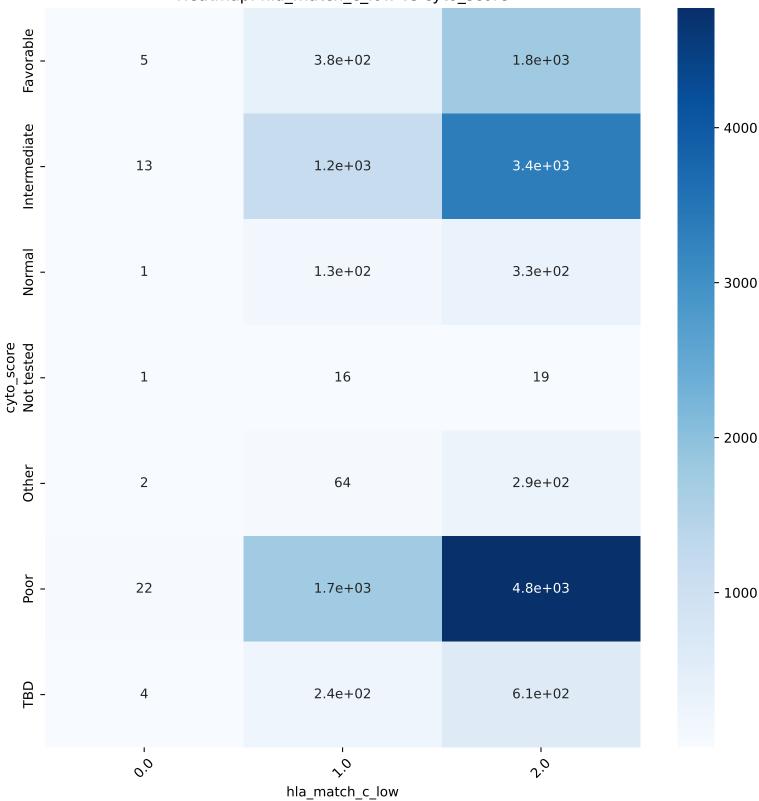
Heatmap: hla\_match\_dqb1\_high vs cyto\_score

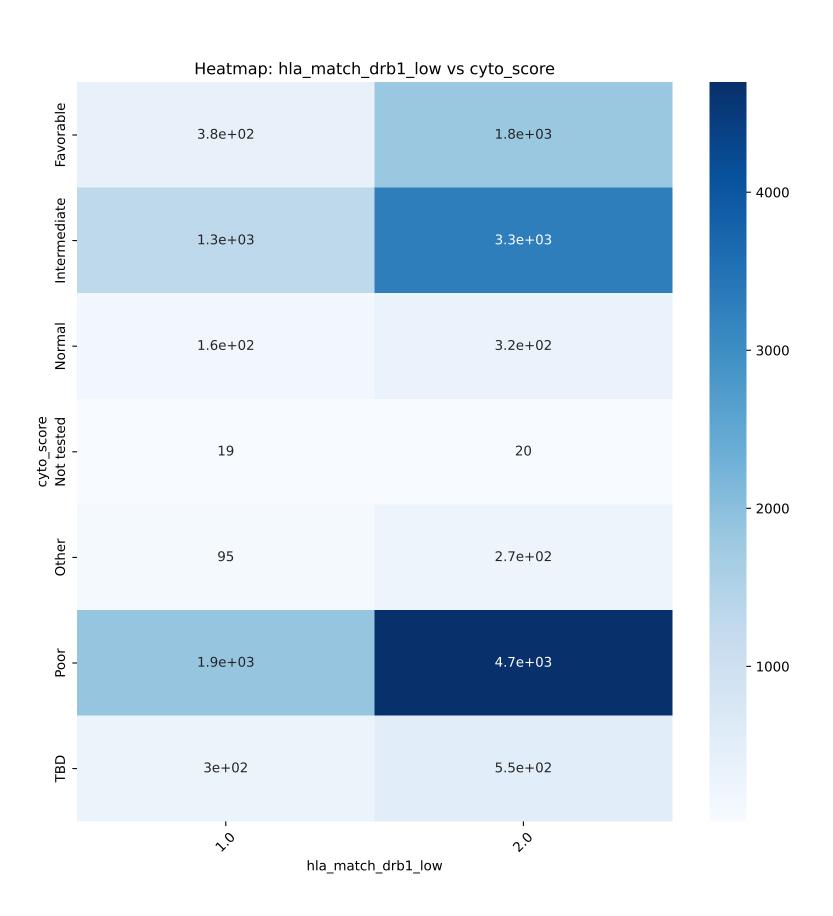


Heatmap: hla\_nmdp\_6 vs cyto\_score



Heatmap: hla\_match\_c\_low vs cyto\_score





Heatmap: hla\_match\_dqb1\_low vs cyto\_score Favorable 9 2.5e+02 1.7e+03 Intermediate 4000 19 9.9e+02 3.3e+03 Normal 1.3e+02 3e+02 4 3000 cyto\_score Not tested 0 16 18 2000 1 66 2.7e+02 Poor ' 1.4e+03 4.8e+03 21 - 1000 TBD -1.8e+02 6e+02 1

> ₹. 0

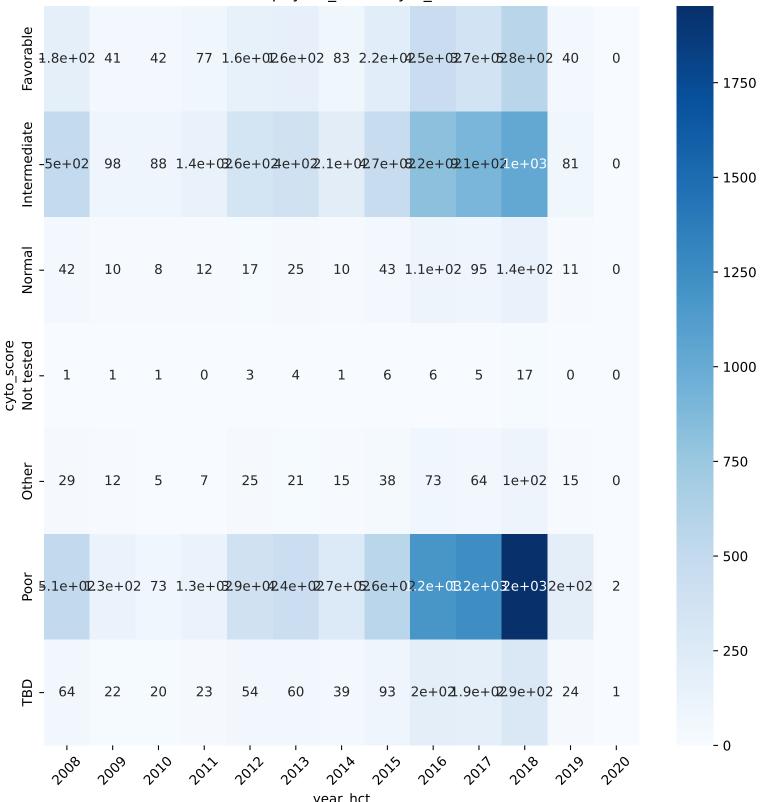
hla\_match\_dqb1\_low

0.0

- 0

20

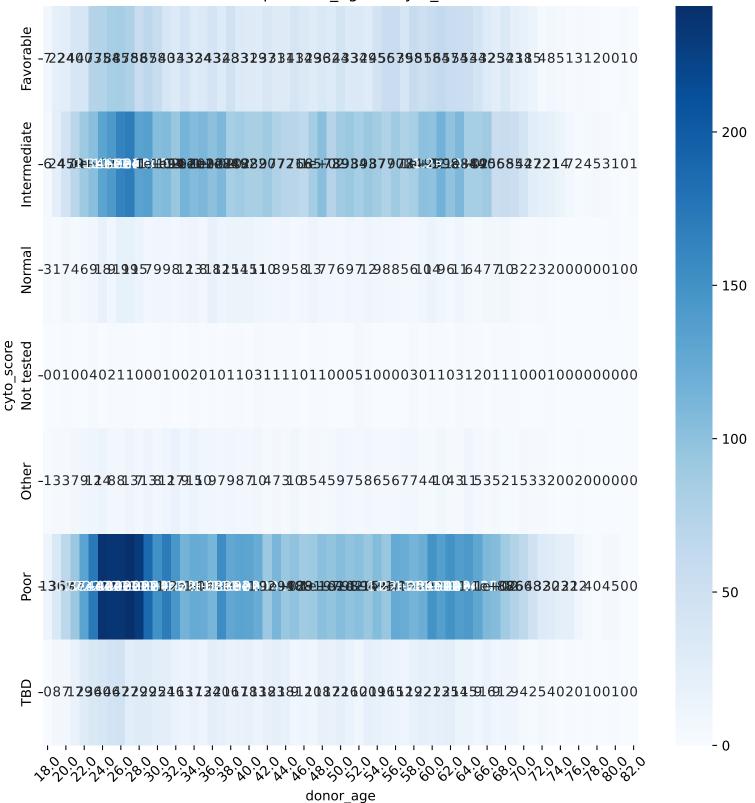
Heatmap: year\_hct vs cyto\_score



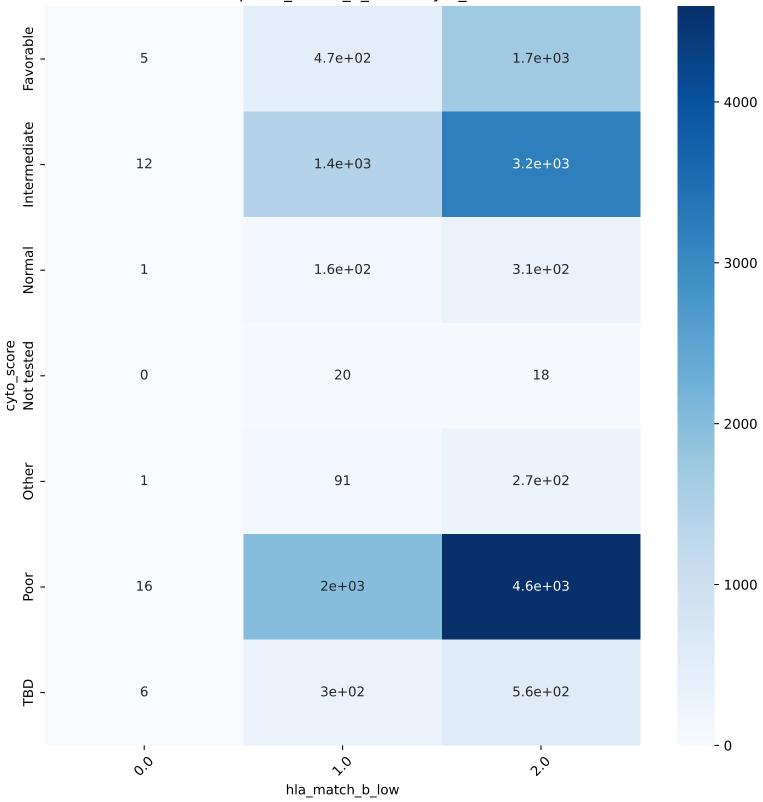
Heatmap: hla\_match\_a\_high vs cyto\_score Favorable 3 4.5e+02 1.6e+03 4000 Intermediate - 3500 13 1.4e+03 2.8e+03 3000 Normal 1 1.6e+02 2.7e+02 2500 cyto\_score Not tested 0 19 16 2000 Other 0 78 2.5e+02 - 1500 - 1000 Poor -1.9e+03 4.4e+03 13 - 500 TBD -3e+02 4.9e+02 3 - 0 ~· - 0 00 20

hla\_match\_a\_high

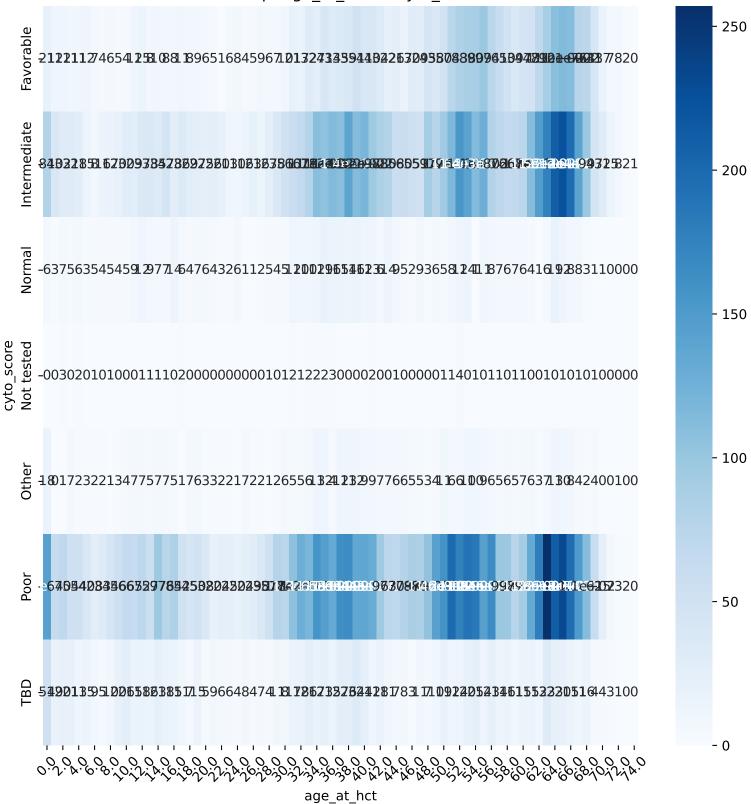
## Heatmap: donor\_age vs cyto\_score



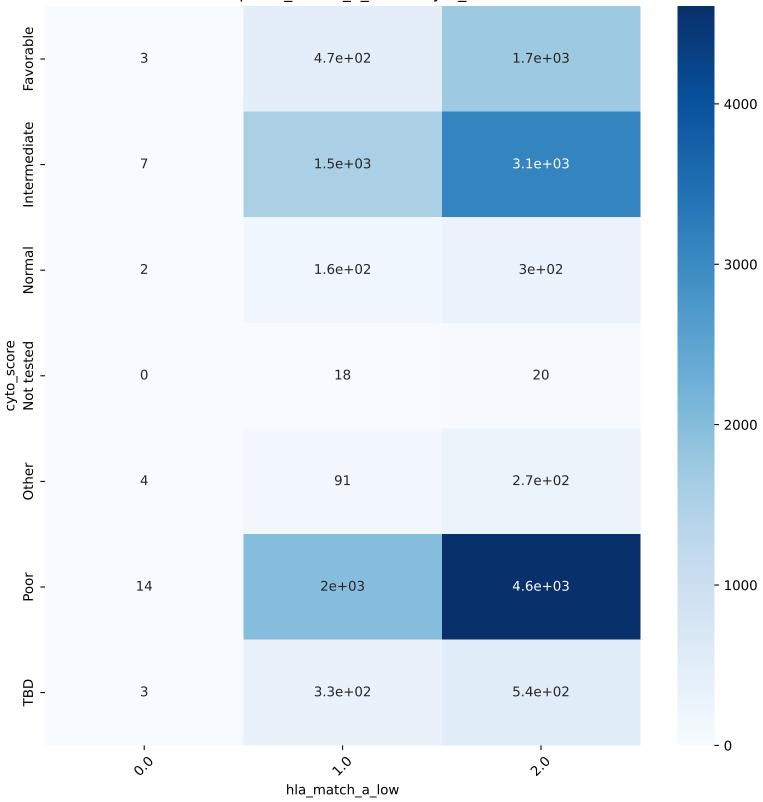
Heatmap: hla\_match\_b\_low vs cyto\_score



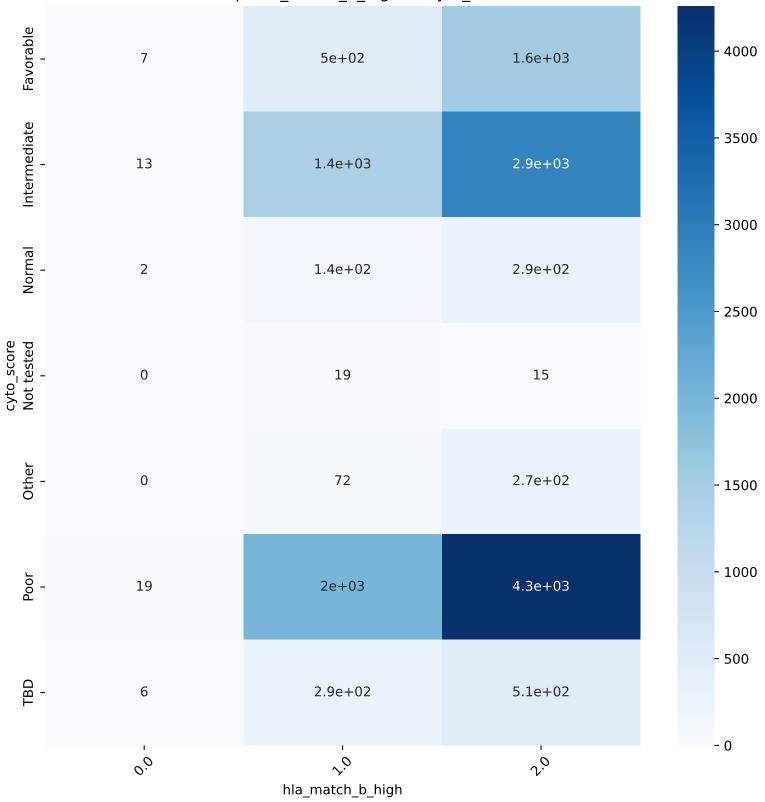
## Heatmap: age\_at\_hct vs cyto\_score



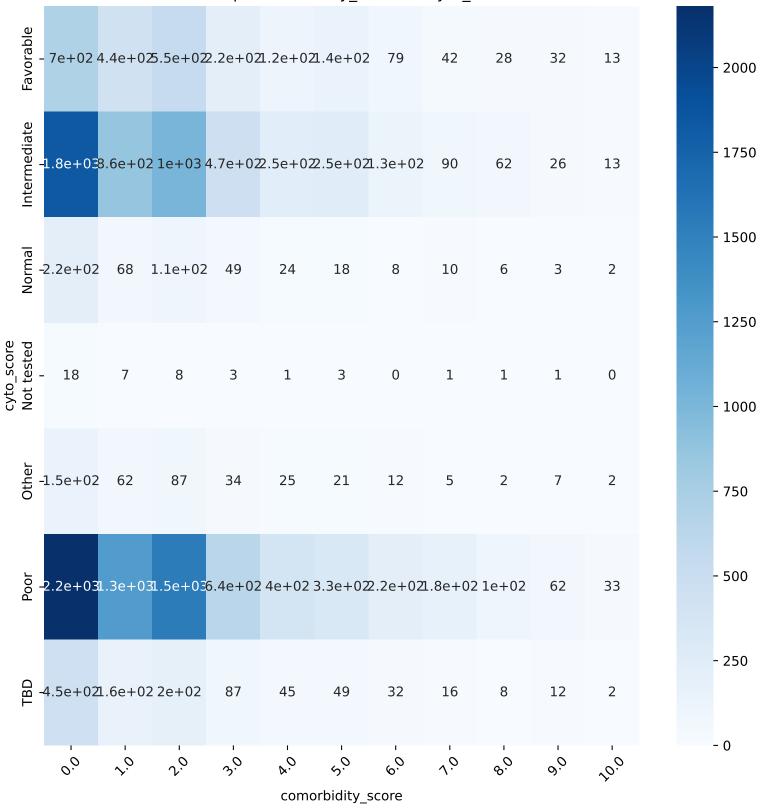
Heatmap: hla\_match\_a\_low vs cyto\_score



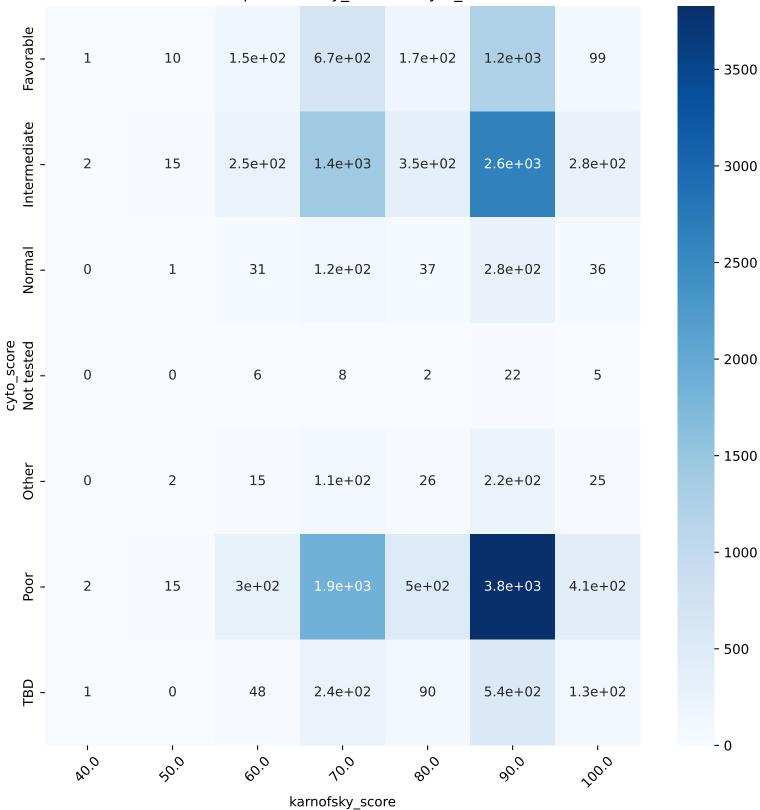
Heatmap: hla\_match\_b\_high vs cyto\_score



Heatmap: comorbidity\_score vs cyto\_score

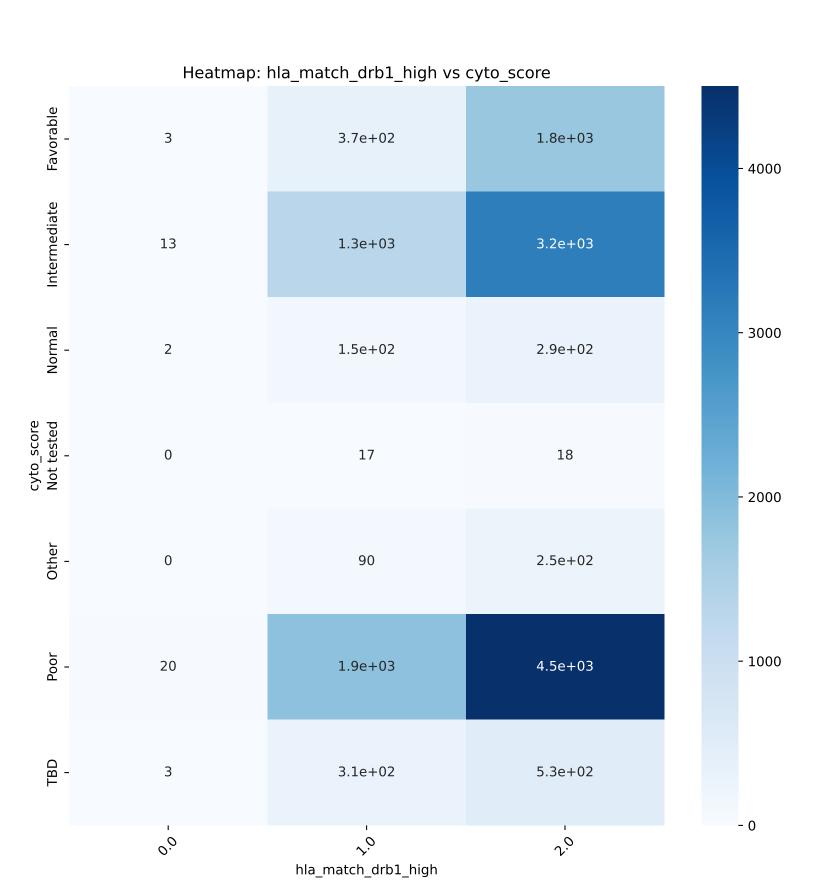


Heatmap: karnofsky\_score vs cyto\_score



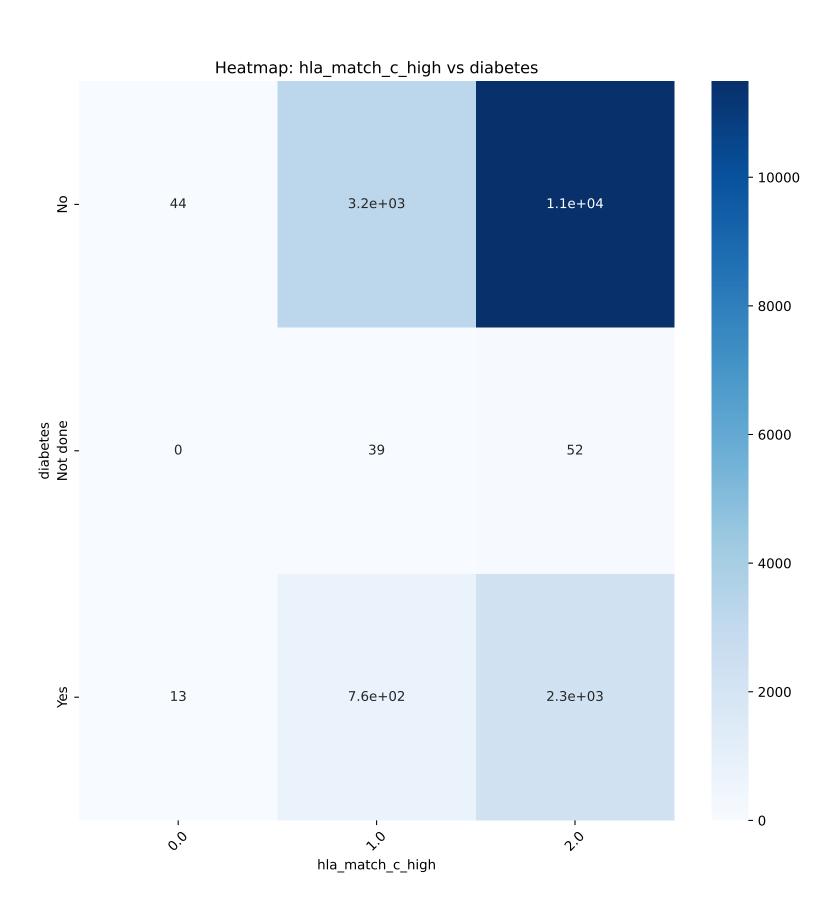
Heatmap: hla\_low\_res\_8 vs cyto\_score

					,			 
Favorable '	0	2	2.4e+02	1e+02	84	1.9e+02	1.5e+03	- 3500
Intermediate '	0	4	8.5e+02	3e+02	2.5e+02	4.3e+02	2.6e+03	- 3000
Normal -	0	0	87	31	37	68	2.3e+02	- 2500
cyto_score Not tested '	0	0	15	3	2	1	15	- 2000
Other -	0	0	44	24	26	41	2.2e+02	- 1500
Poor -	1	5	1.2e+03	3.8e+02	3.7e+02	6.1e+02	3.8e+03	- 1000
TBD -	0	2	1.7e+02	68	67	94	4e+02	- 500
	20	3.0	, o	၂ ၄ <sup>၀</sup> hla_low_res_8	8 60	10	80	- 0

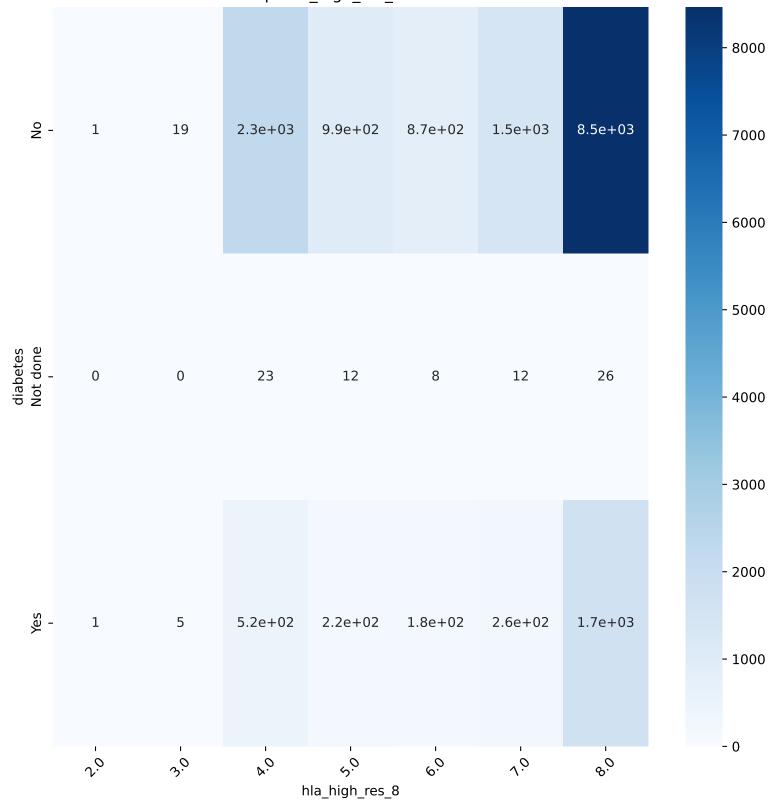


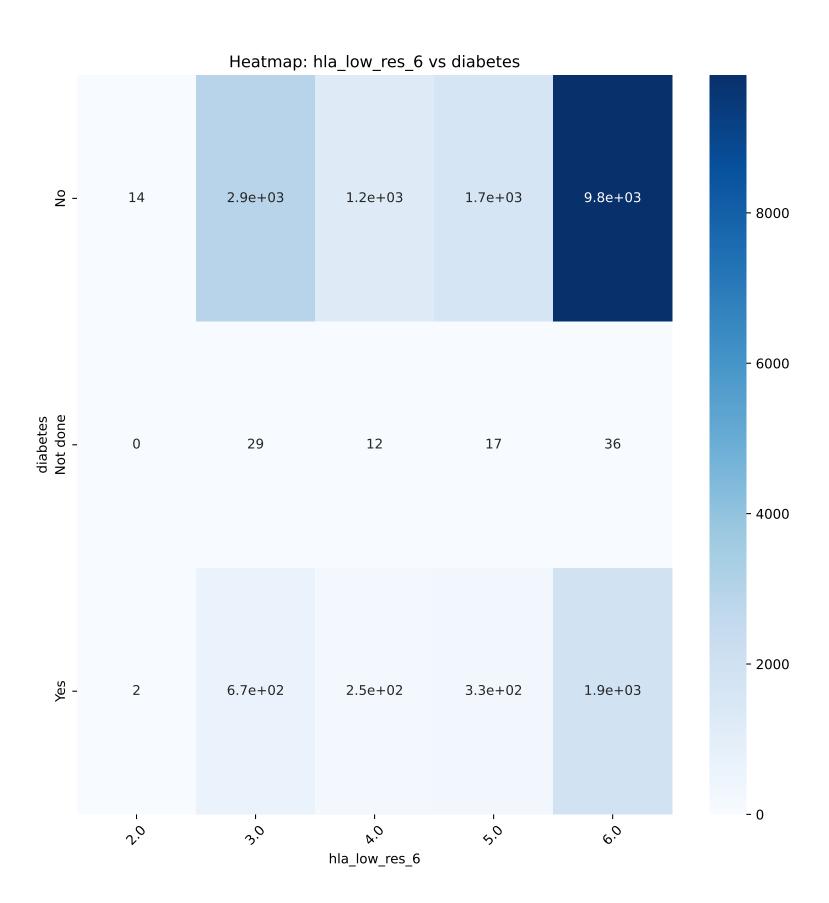
Heatmap: hla\_low\_res\_10 vs cyto\_score

		rica	cinap. ma_		, vs cyco_s	2010		
Favorable	4	1.6e+02	1e+02	72	86	1.8e+02	1.4e+03	- 3000
Intermediate	4	6.4e+02	3.1e+02	2.1e+02	2.3e+02	4.2e+02	2.3e+03	- 2500
Normal	2	70	35	17	40	67	1.9e+02	- 2000
cyto_score Not tested '	0	13	4	2	1	1	11	- 1500
Other 	0	35	18	16	17	40	2e+02	- 1000
Poor -	8	9.2e+02	4.3e+02	2.9e+02	3.5e+02	6e+02	3.4e+03	
TBD -	0	1.1e+02	76	55	57	93	3.4e+02	- 500
	Þ. 0	8.0	%. %	$\sqrt{\frac{1}{2}}$ lla_low_res_1	% %	9.	20,0	- 0



Heatmap: hla\_high\_res\_8 vs diabetes

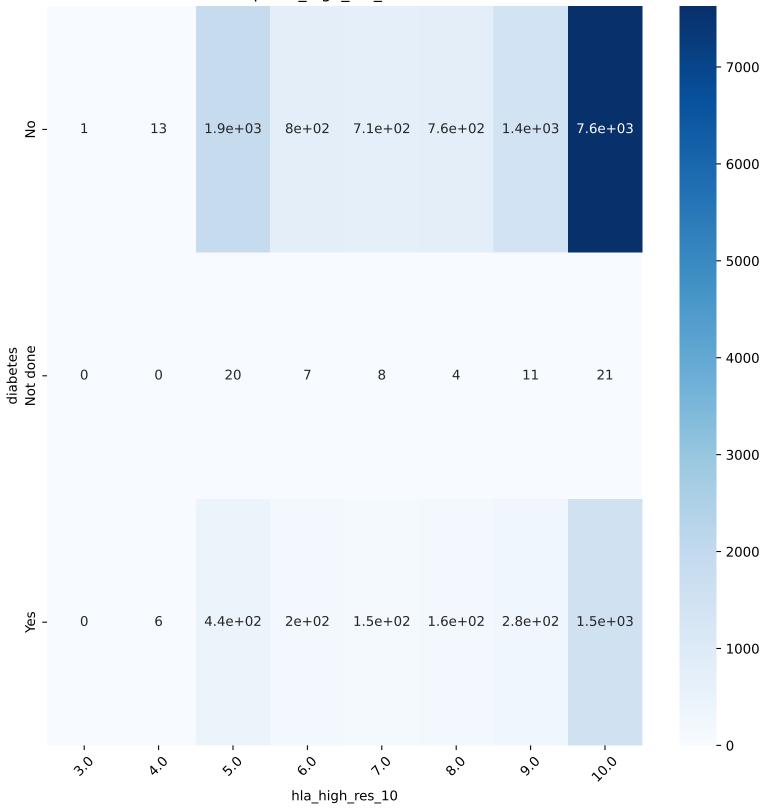


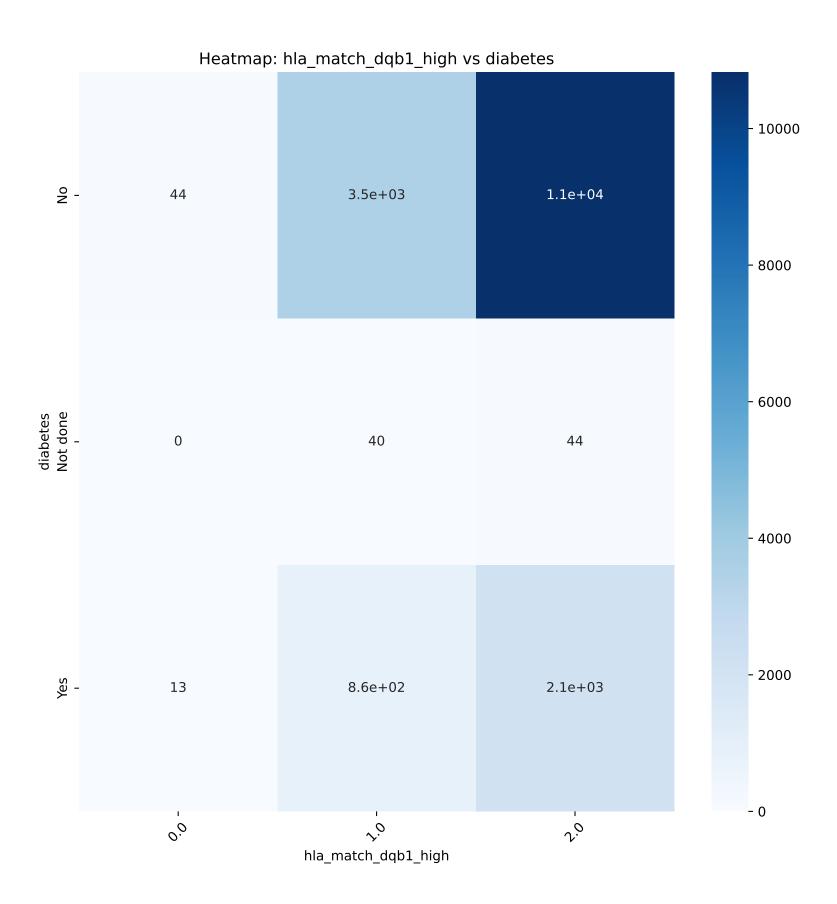


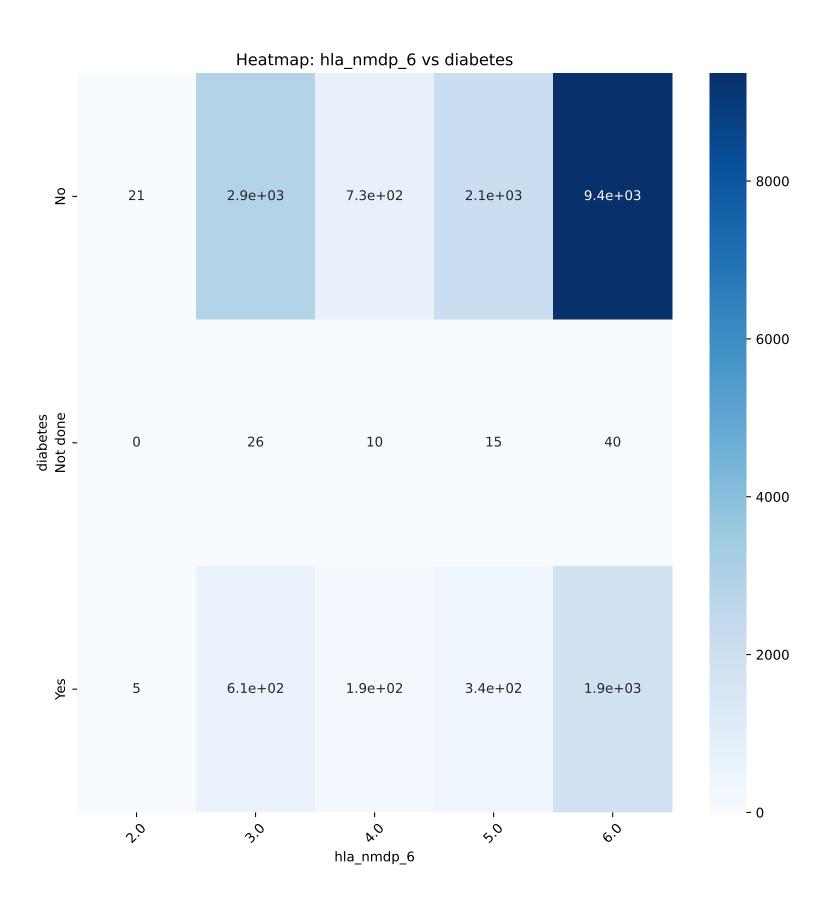
Heatmap: hla\_high\_res\_6 vs diabetes - 8000 ဍိ -0 29 2.8e+03 1.2e+03 1.7e+03 8.7e+03 7000 6000 - 5000 diabetes Not done 0 27 13 15 27 - 4000 - 3000 - 2000 Yes -1 6.1e+02 2.7e+02 3e+02 1.7e+03 - 1000 - 0 ×0 60

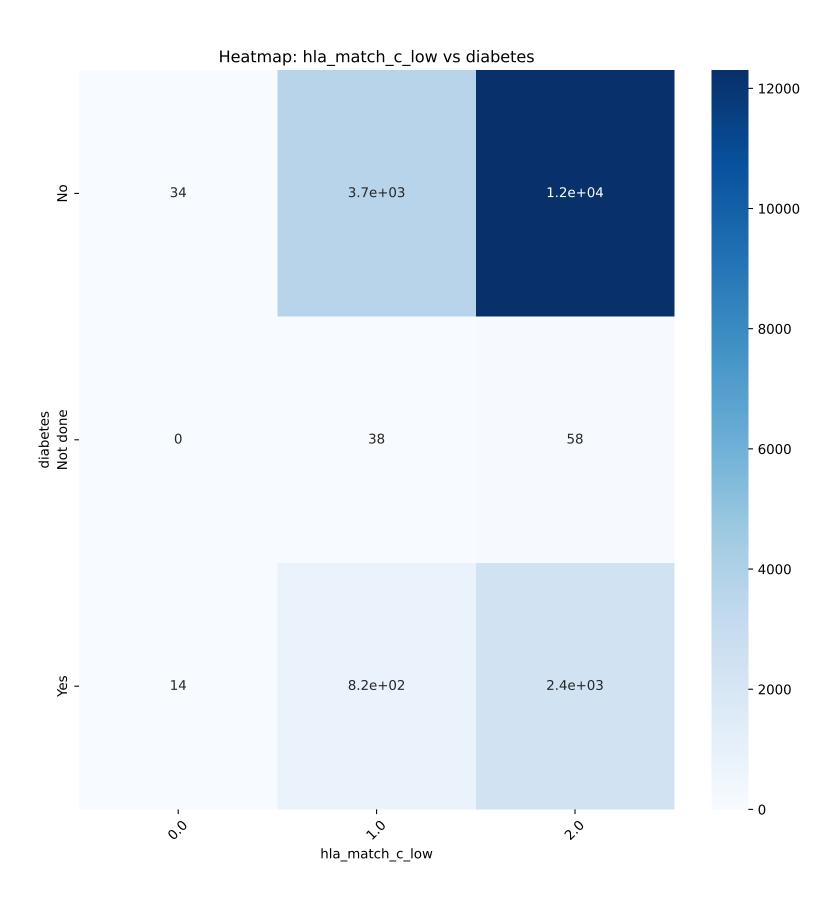
hla\_high\_res\_6

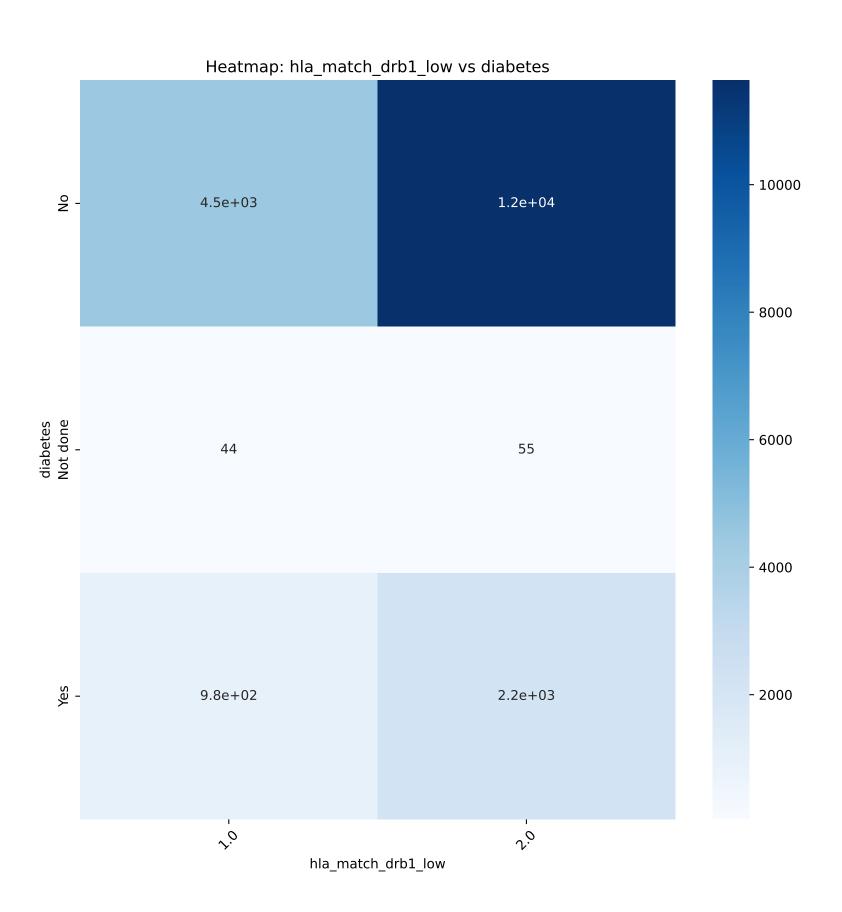
Heatmap: hla\_high\_res\_10 vs diabetes

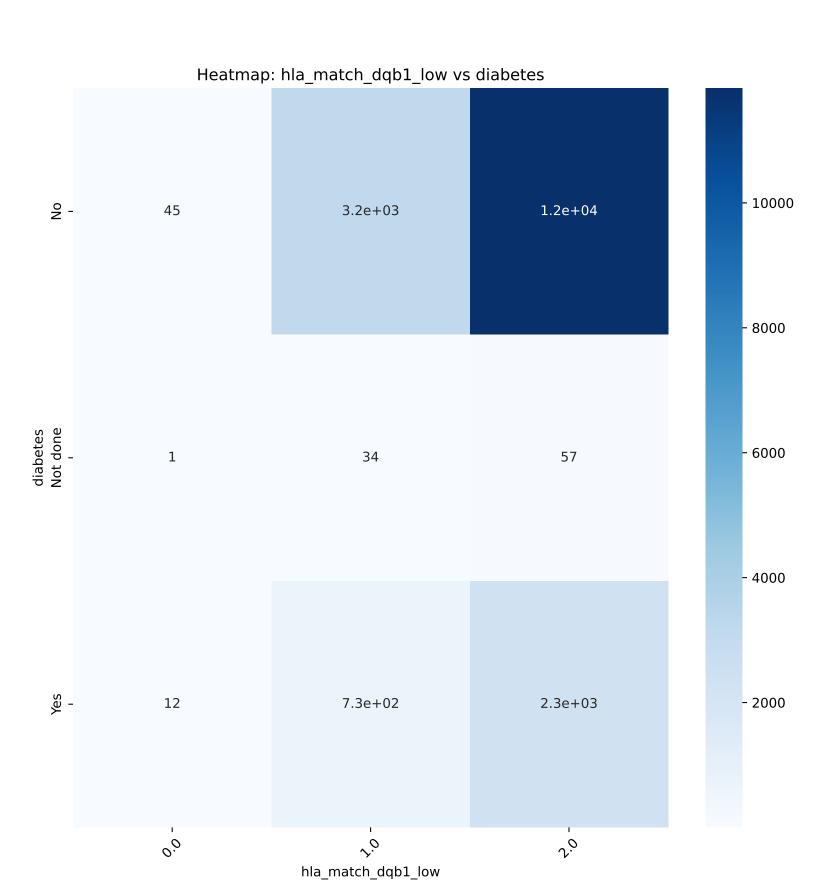




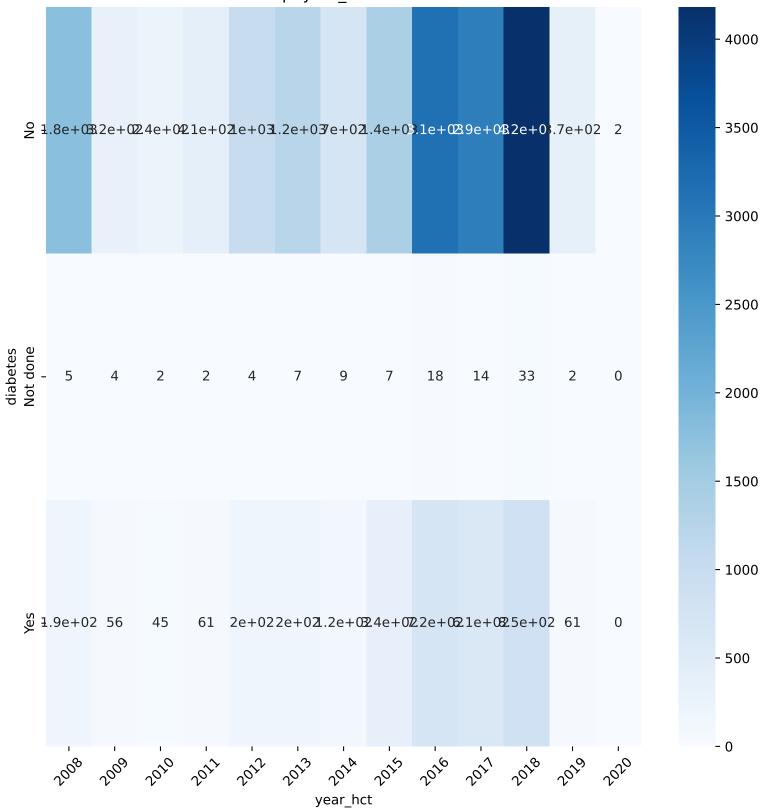


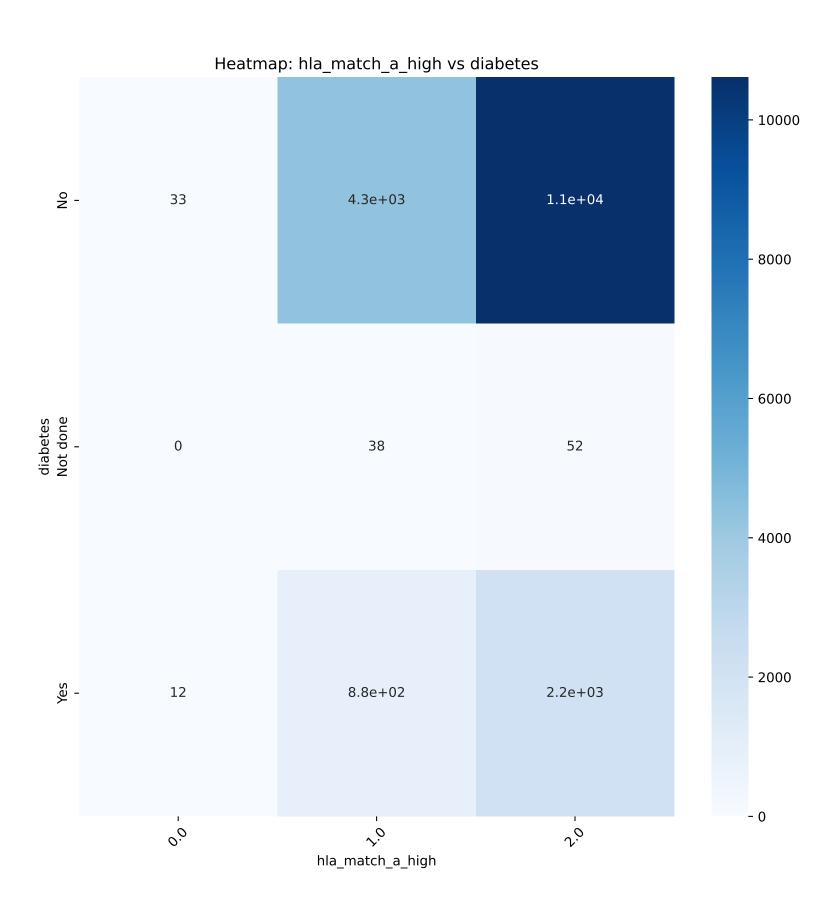




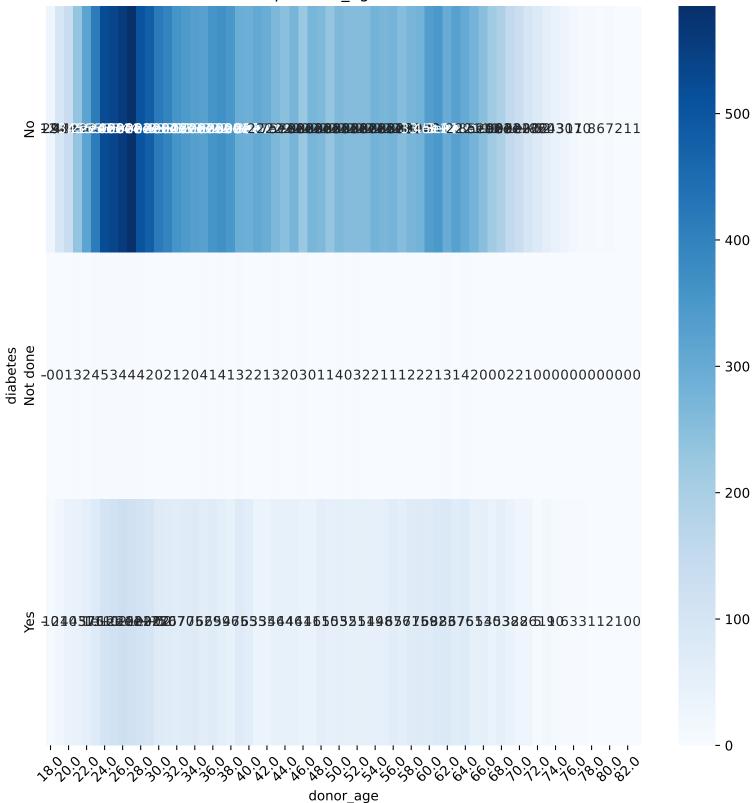


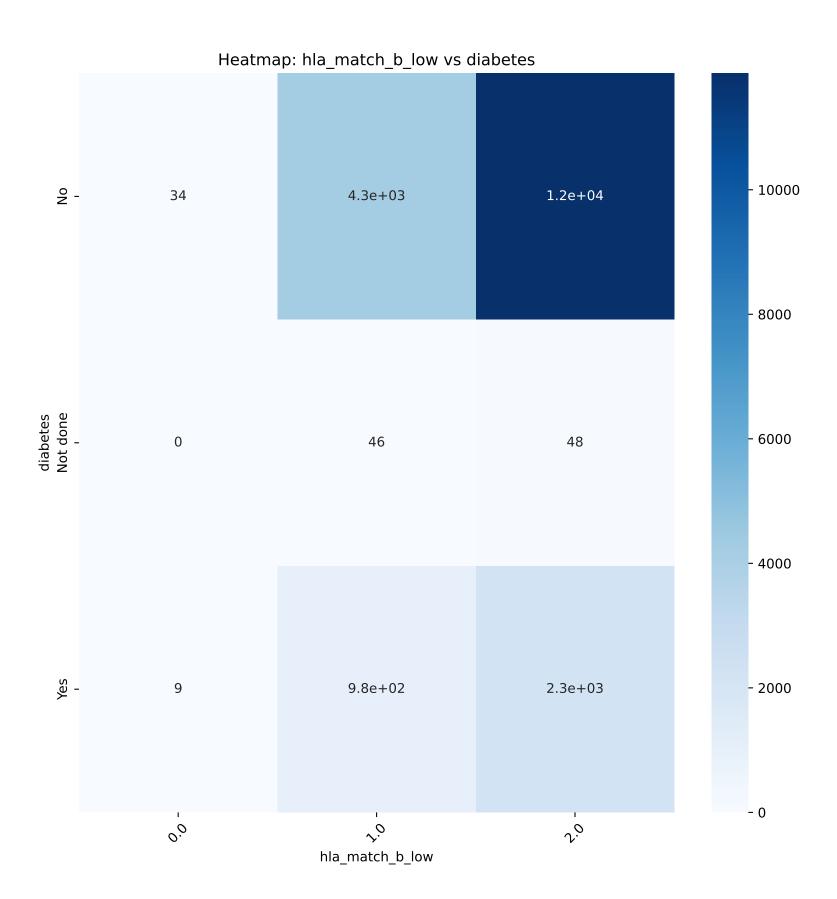
Heatmap: year\_hct vs diabetes



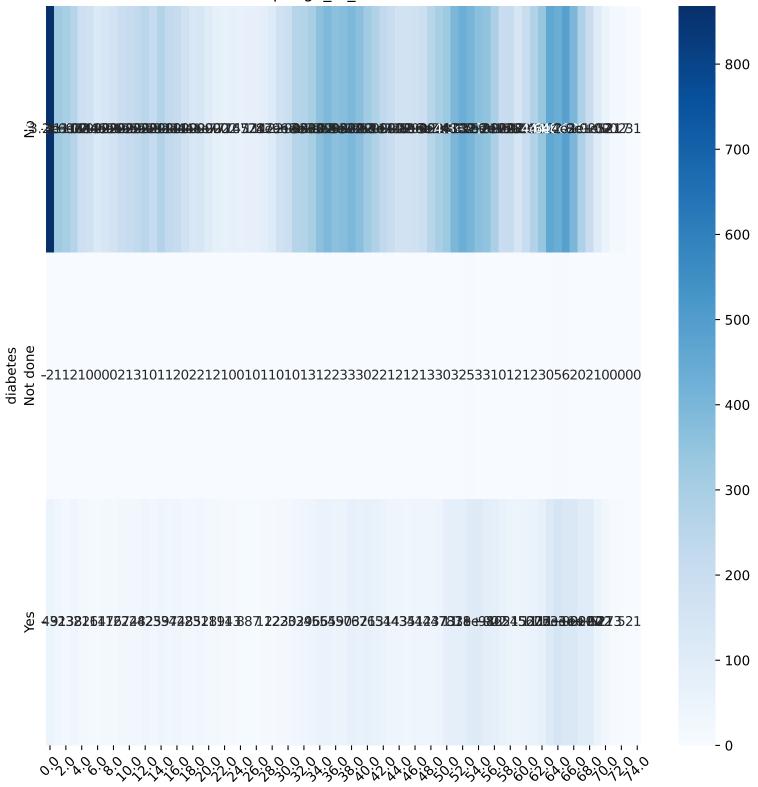


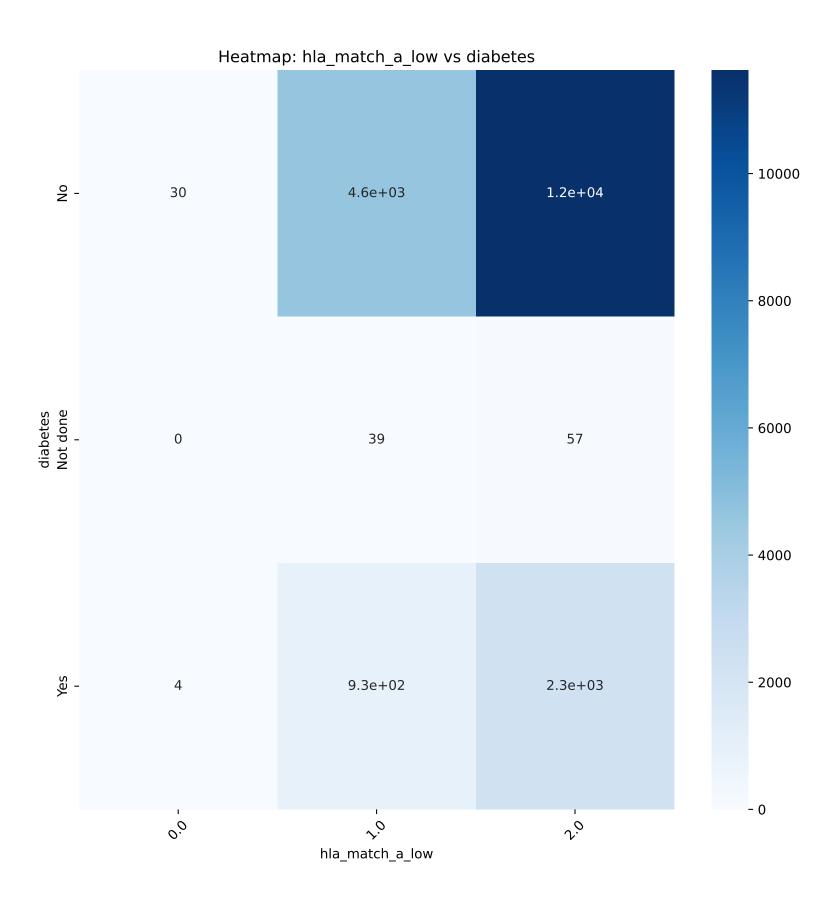
## Heatmap: donor\_age vs diabetes

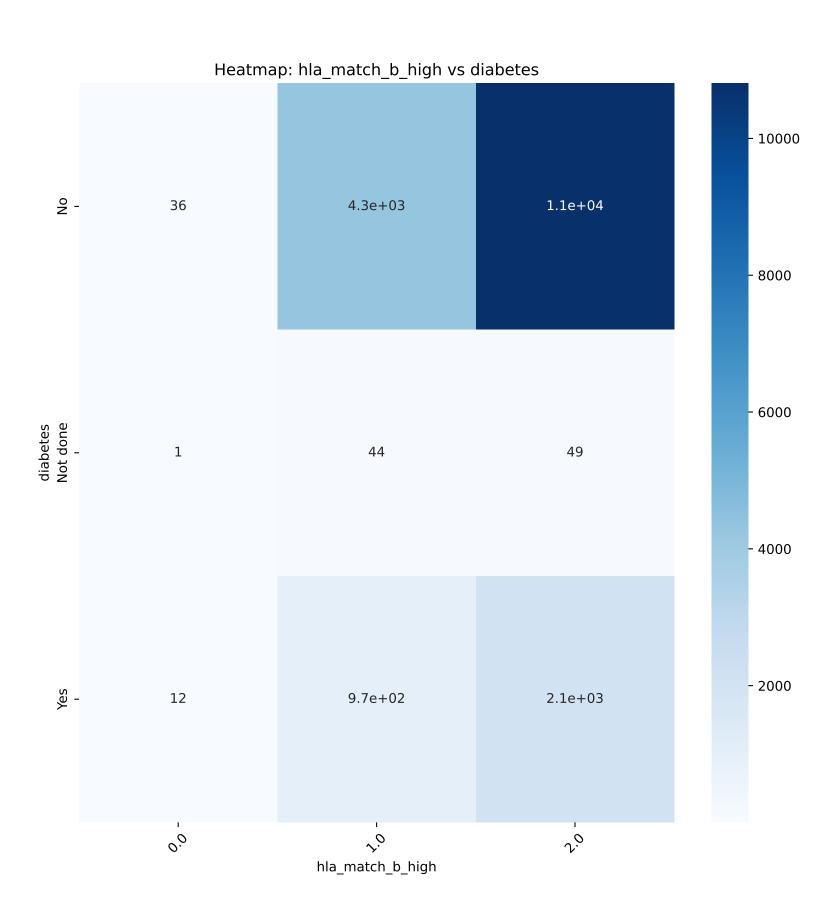


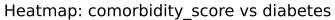


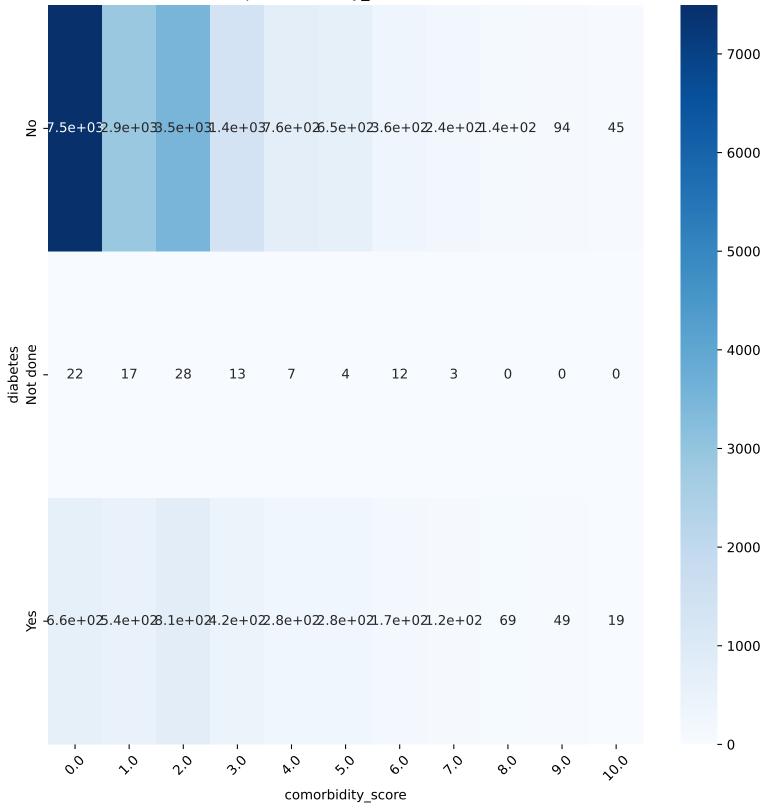
## Heatmap: age\_at\_hct vs diabetes







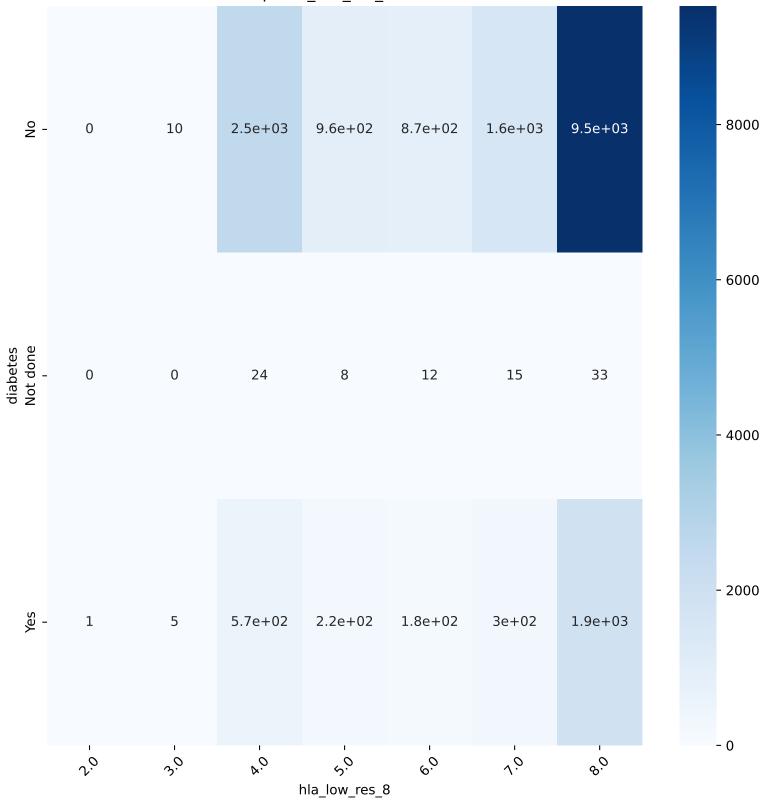


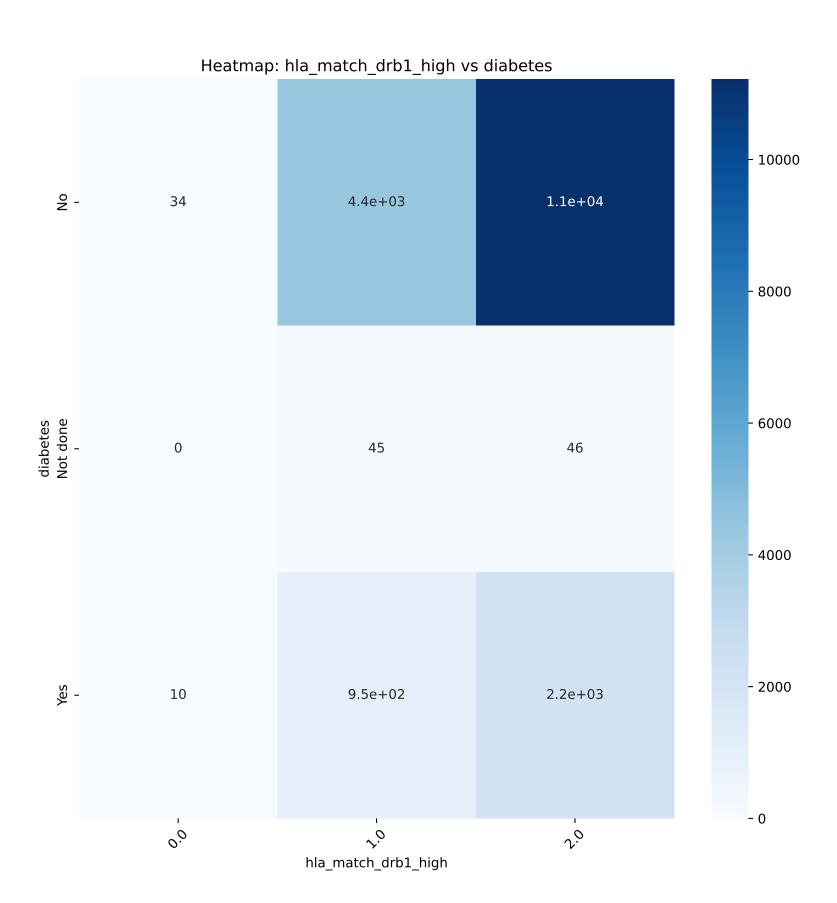


Heatmap: karnofsky\_score vs diabetes ₽ -7.1e+02 3 50 3.9e+03 1.2e+03 9.8e+03 1.6e+03 - 8000 - 6000 diabetes Not done 0 3 22 8 10 1 59 - 4000 - 2000 Yes -12 2.2e+02 1.1e+03 2.8e+02 1.6e+03 1.7e+02 - 0 100

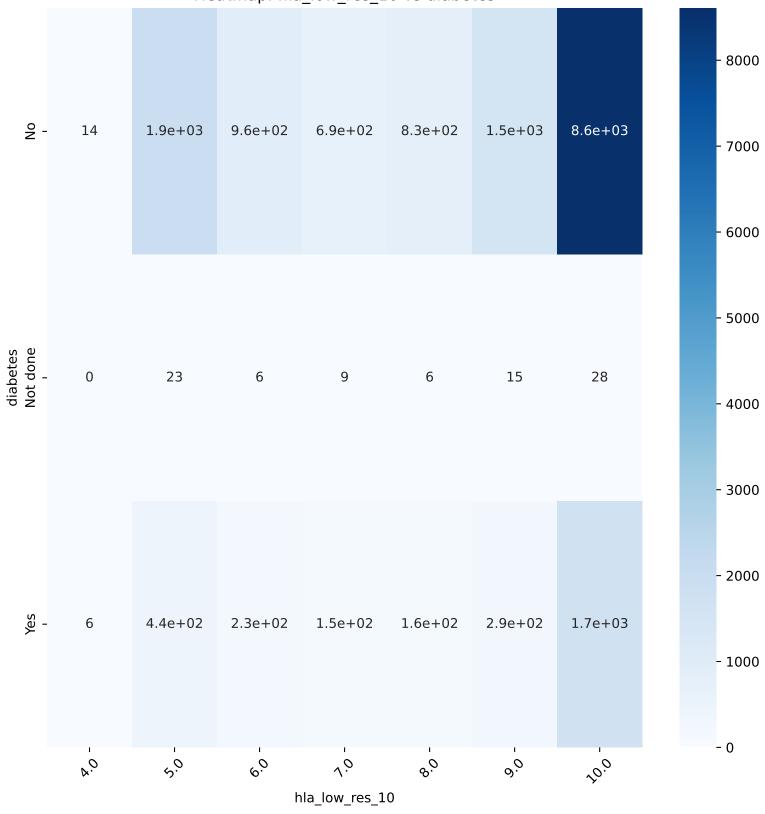
karnofsky\_score

Heatmap: hla\_low\_res\_8 vs diabetes

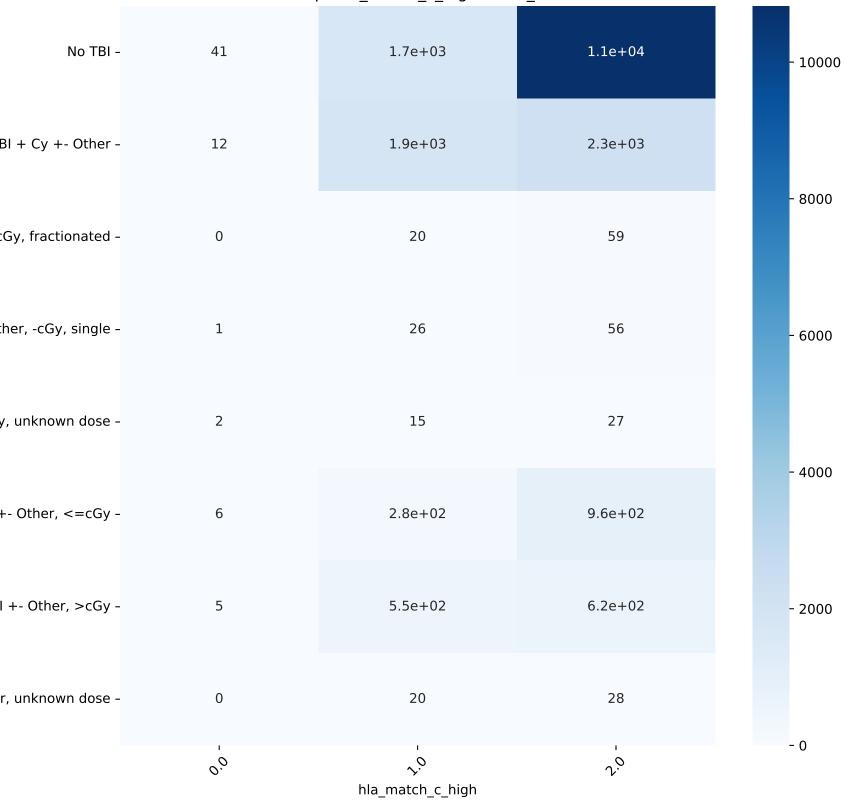




Heatmap: hla\_low\_res\_10 vs diabetes



Heatmap: hla\_match\_c\_high vs tbi\_status



Heatmap: hla\_high\_res\_8 vs tbi\_status

No TBI -	. 2	12	9.8e+02	6.4e+02	6.8e+02	1.1e+03	8.5e+03	- 800	)0
BI + Cy +- Other -	0	9	1.4e+03	4.2e+02	3.2e+02	4.5e+02	1.3e+03	- 700	)0
:Gy, fractionated -	0	0	11	8	8	9	39	- 600	)0
ther, -cGy, single -	0	0	21	7	6	5	34	- 500	)0
y, unknown dose -	0	1	11	5	2	6	16	- 400	)0
+- Other, <=cGy -	0	1	1.9e+02	1e+02	76	1.5e+02	6.7e+02	- 300	)0
l +- Other, >cGy -	0	3	4.2e+02	1.5e+02	97	1.3e+02	3e+02	- 200	)0
r, unknown dose -	0	0	15	5	4	6	16	- 100	)0
	2.0	3°.	, , ,	မ onla_high_res_8	6. 9.	10	Ø.	- 0	

Heatmap: hla\_low\_res\_6 vs tbi\_status

_		-		_			
No TBI -	9	1.3e+03	8.4e+02	1.3e+03	9.7e+03		
BI + Cy +- Other -	3	1.8e+03	4.8e+02	5.6e+02	1.6e+03	- 800	)0
:Gy, fractionated -	0	17	12	14	39		
:her, -cGy, single -	0	25	10	10	43	- 600	10
y, unknown dose -	0	13	7	5	20	- 400	)0
+- Other, <=cGy -	0	2.5e+02	1.1e+02	1.8e+02	7.8e+02		
I +- Other, >cGy -	5	5.1e+02	1.8e+02	1.5e+02	3.8e+02	- 200	)0
r, unknown dose -	0	17	7	4	24		
	2.0	3.0	k.O hla_low_res_6	80.0	6.0	- 0	

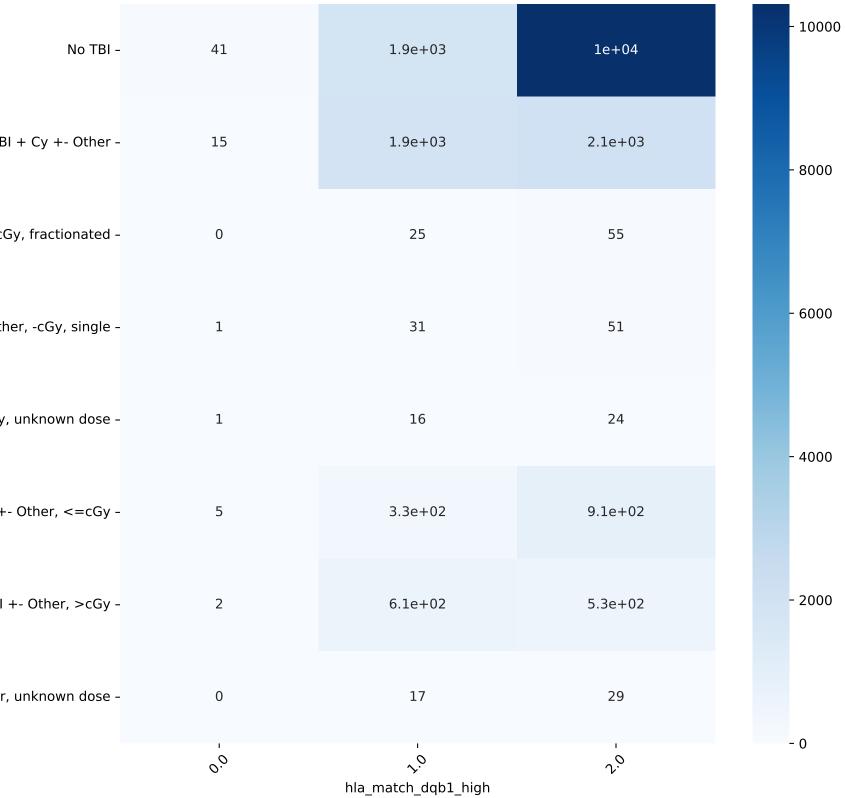
Heatmap: hla\_high\_res\_6 vs tbi\_status

No TBI -	. 1	19	1.2e+03	9e+02	1.3e+03	8.8e+03		8000
Bl + Cy +- Other -	0	9	1.7e+03	4.9e+02	5.3e+02	1.3e+03		7000
:Gy, fractionated -	- 0	0	13	13	11	39	-	6000
:her, -cGy, single -	. 0	0	24	10	7	35	-	5000
y, unknown dose -	. 0	0	15	4	5	17	_	4000
+- Other, <=cGy -	- 0	3	2.4e+02	1e+02	1.8e+02	6.8e+02	-	3000
l +- Other, >cGy -	. 0	7	4.9e+02	1.7e+02	1.4e+02	3.2e+02	_	2000
r, unknown dose -	- 0	0	17	6	8	17	-	1000
	0,0	2.0	၇ hla_hig	h_res_6	69.	6.	_	0

Heatmap: hla\_high\_res\_10 vs tbi\_status

_			-		_	_			
No TBI -	1	9	7.6e+02	4.7e+02	5.2e+02	6e+02	1.2e+03	7.8e+03	- 7000
BI + Cy +- Other -	0	10	1.2e+03	3.8e+02	2.6e+02	2.6e+02	4.1e+02	1.1e+03	- 6000
:Gy, fractionated -	0	0	8	7	7	5	8	37	- 5000
:her, -cGy, single -	0	0	19	7	3	5	7	29	- 4000
y, unknown dose -	0	1	10	3	3	1	8	12	
+- Other, <=cGy -	0	0	1.6e+02	80	68	74	1.5e+02	6e+02	- 3000
l +- Other, >cGy -	0	3	3.8e+02	1.2e+02	97	73	1.2e+02	2.6e+02	- 2000
r, unknown dose -	0	0	9	9	0	5	6	13	- 1000
	3.0	, o	5°.	% % hla_high	رٰ n_res_10	8.0	9.0	20,0	- 0

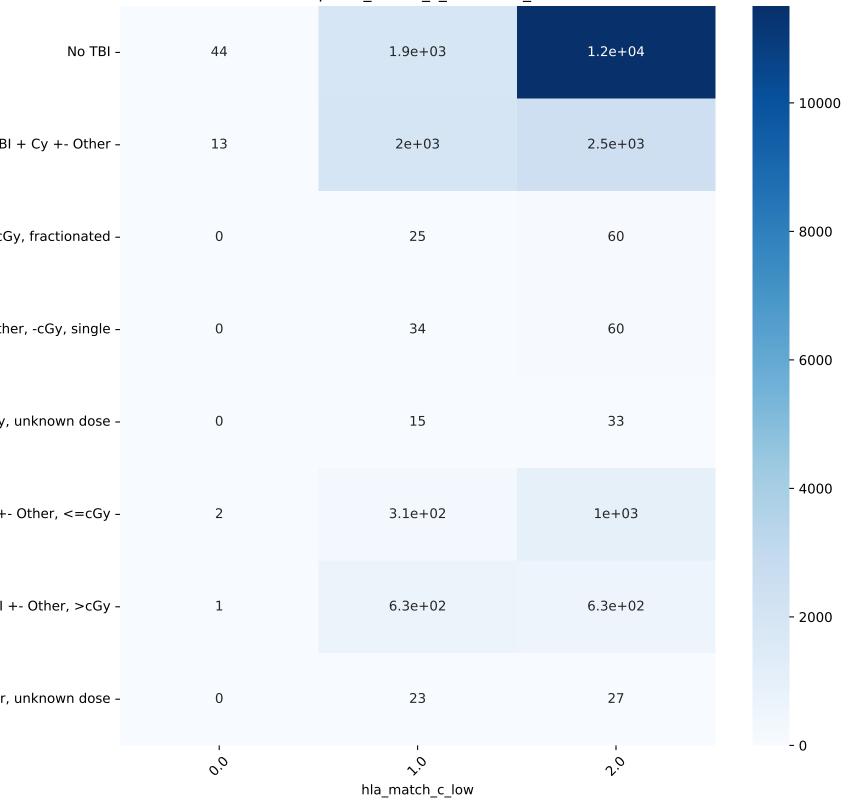
Heatmap: hla\_match\_dqb1\_high vs tbi\_status



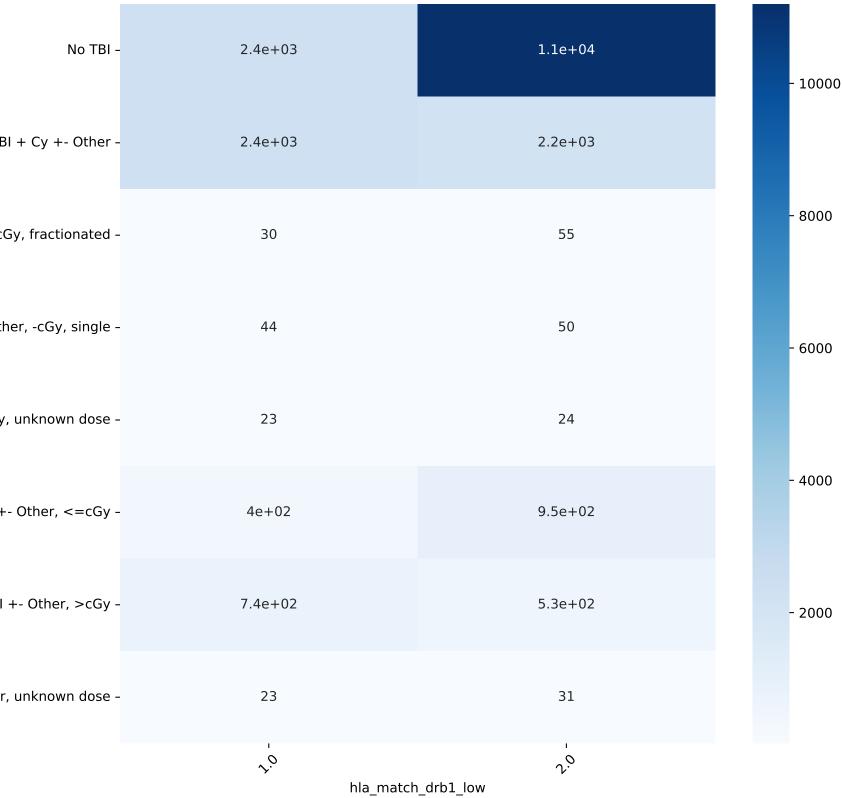
Heatmap: hla\_nmdp\_6 vs tbi\_status

No TBI -	14	1.4e+03	4.3e+02	1.5e+03	9.4e+03	
BI + Cy +- Other -	5	1.7e+03	3.6e+02	6.6e+02	1.5e+03	- 8000
:Gy, fractionated -	0	20	4	16	40	- 6000
ther, -cGy, single -	1	26	9	8	38	
y, unknown dose -	0	15	4	5	19	- 4000
+- Other, <=cGy -	1	2.6e+02	46	2.2e+02	7.4e+02	
l +- Other, >cGy -	8	4.8e+02	1.5e+02	1.7e+02	3.6e+02	- 2000
r, unknown dose -	0	18	4	7	17	
	2.0	3.0	ہٰہ hla_nmdp_6	5.0	6.0	- 0

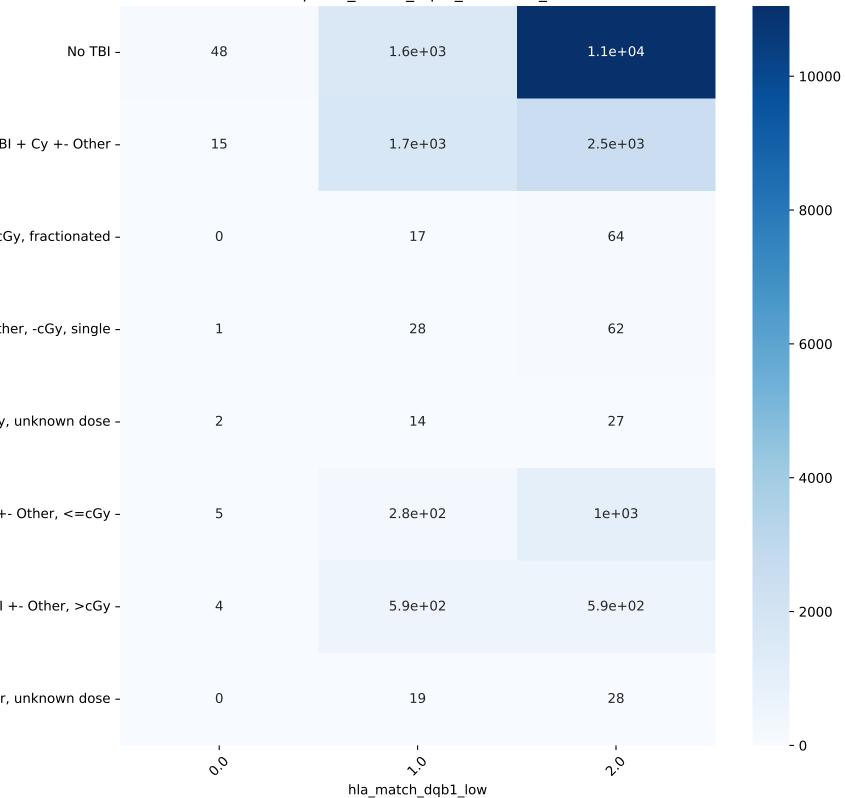
Heatmap: hla\_match\_c\_low vs tbi\_status



Heatmap: hla\_match\_drb1\_low vs tbi\_status



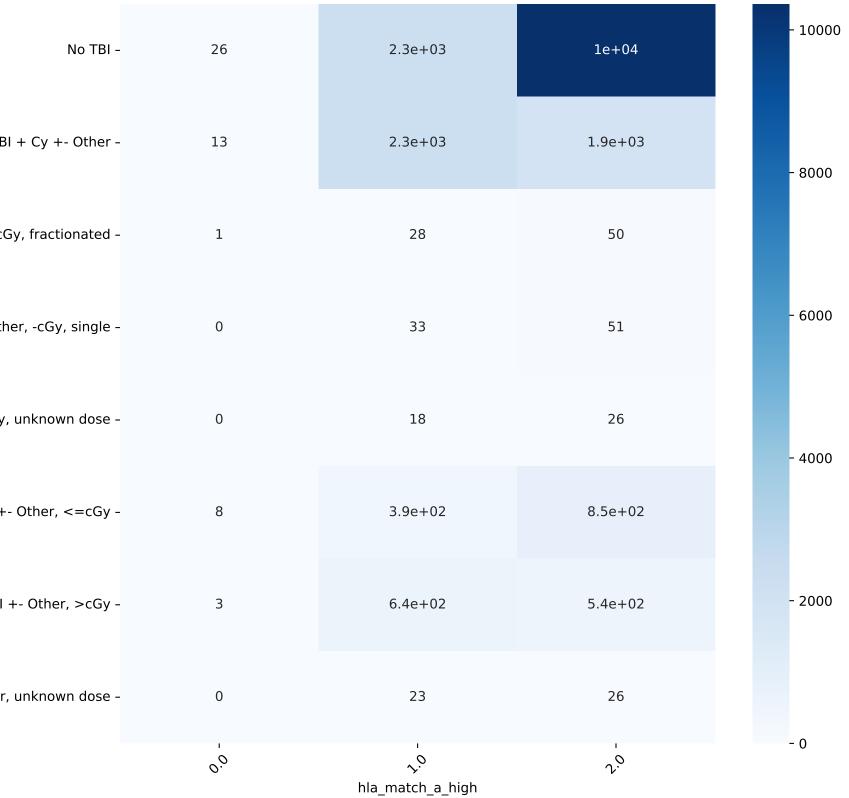
Heatmap: hla\_match\_dqb1\_low vs tbi\_status



Heatmap: year\_hct vs tbi\_status

						יטי, אכי	~cc			45					
No TBI <del>1</del>	2e+02	36e+02	21e+Œ	26e+0	<b>2</b> 2e+01	21e+06	36e+01	22e+0	3.8e+02	84e+Œ	<b>3</b> 6e+0₃	.9e+02	3		- 3500
BI + Cy +- Other §	5.2e+02	2 87	57	76 2	2.4e+02	26e+01	24e+03	26e+07	28e+02	29e+021	L.4e+0E	33e+02	1		- 3000
:Gy, fractionated -	7	0	1	1	5	3	3	11	16	15	28	6	0		- 2500
:her, -cGy, single -	7	3	3	0	4	8	6	5	24	18	23	6	0		- 2000
y, unknown dose -	3	2	2	1	3	1	1	5	11	4	20	3	0		- 1500
+- Other, <=cGy ∃	.5e+02	2 24	15	26	57	89	48 1	1e+02	24e+02	22e+0	<b>2</b> 9e+02	2 38	0		- 1000
l +- Other, >cGy -	. 99	18	9	19	44	56	38	85 2	2.1e+02	28e+04	<b>2</b> 6e+02	2 38	0		- 500
r, unknown dose -	. 6	2	0	0	3	6	3	6	6	4	21	0	0		
	2008	2009	2020	2012	2012	2013	၂ ၇ <sup>၇</sup> ် rear_hc	2015 t	2016	2017	2028	20,10	2020		- 0

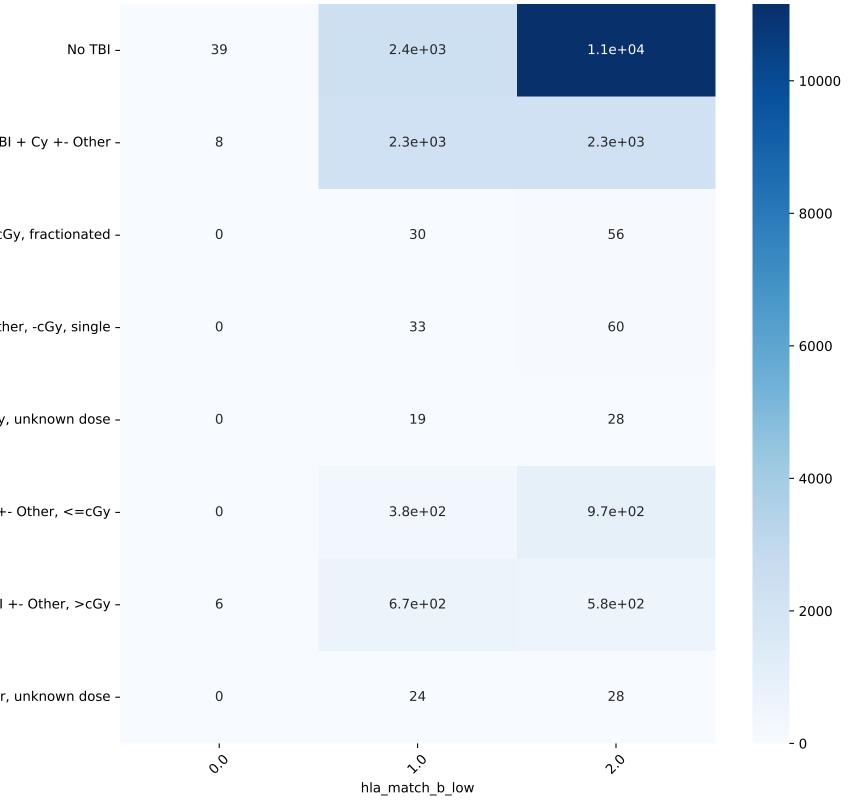
Heatmap: hla\_match\_a\_high vs tbi\_status



## Heatmap: donor\_age vs tbi\_status

No TB1.82634668688888822222222222200000000000000000	- 500
BI + Cy +- Other -4165 <b>024800000000000000000000000000000000000</b>	
:Gy, fractionated -000203533222111001222211223431424212300102314012112110000000000	- 400
ther, -cGy, single -01013553621140212302303101131302311010062053342243010000000000000	- 300
y, unknown dose -110200611043010211101101000100210120201101110211021	
+- Other, <=cGy -391 <b>28344658008822533302263228222</b> 1591 <b>2017220025235369470</b> 2392230011000	- 200
I +- Other, >cGy -2591 <b>126344362662276532832802425822273008200392221851</b> 276532211110000	- 100
r, unknown dose -00023102232103111002040100311122300011110110011110010000200000000	
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- 0

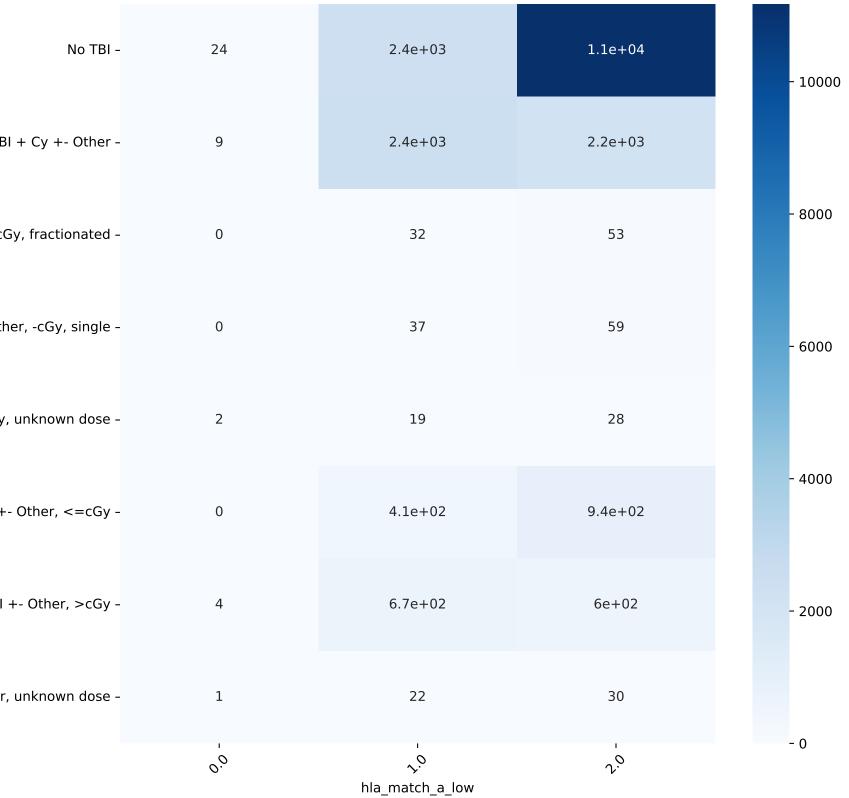
Heatmap: hla\_match\_b\_low vs tbi\_status



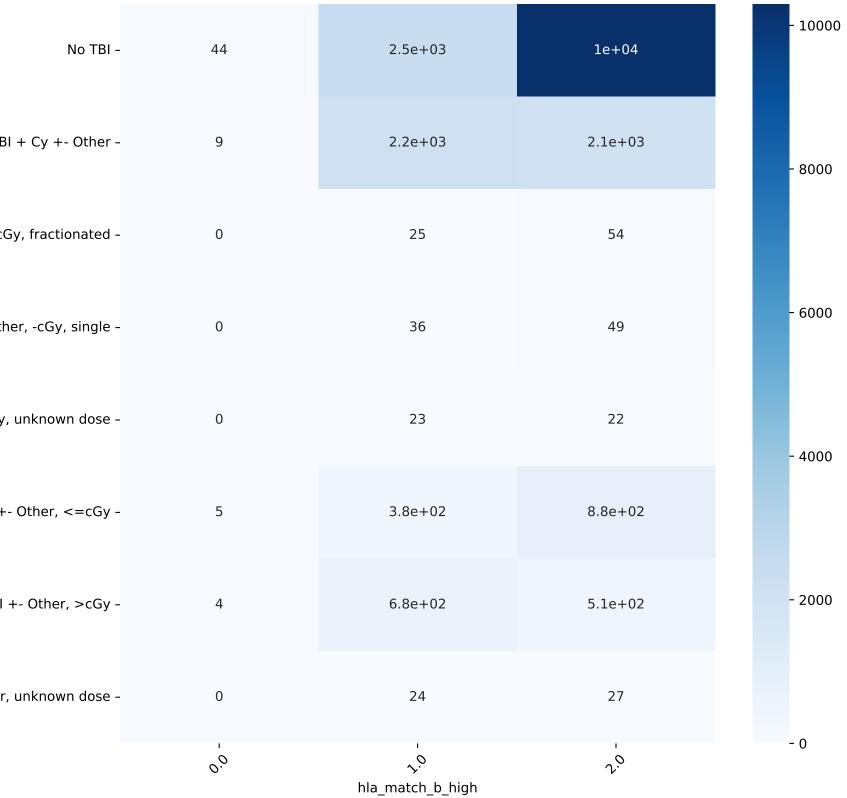
## Heatmap: age\_at\_hct vs tbi\_status

riedinap. age_at_net vs tbi_status	
No T <i>5</i> 22-34 <del>1000000000000000000000000000000000000</del>	- 700
BI+Cy+-Other5e76668484849494949898669839221986634184 <del>418488886</del> 53946236666 <b>9849531@146920</b> 21497520	- 600
:Gy, fractionated -312010001111200110000110001040000221432315112210122232122331132142221200000	- 500
ther, -cGy, single -341001101211212131120120000000201222342520300110132003432112020515242300000	- 400
y, unknown dose -110201001001210121010100000100101002022010400201002010120031001134200100100	- 300
+- Other, <=cGy 2 <b>831</b> 0593121005121452426543853539715833349809222771340510309001319045505433326401	- 200
I+-Other,>cGy321862310633416832154031241688186223456942296641165632314410051882060359731000	- 100
r, unknown dose -220100010000310121001200210000102102140011220000101100131000011321310000000	
0.7. p. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	- 0

Heatmap: hla\_match\_a\_low vs tbi\_status



Heatmap: hla\_match\_b\_high vs tbi\_status



Heatmap: comorbidity\_score vs tbi\_status

No TBI -	5.5e+03	2.6e+03	3.1e+03		7.5e+02		4e+02	_	1.5e+02	99	49	- !	5000
Bl + Cy +- Other -	· 2e+03 {	3.1e+02	1e+03	3.8e+02	L.9e+02	1.8e+02	1e+02	70	37	35	6		
:Gy, fractionated -	30	18	22	6	6	4	4	2	0	0	0	- 4	4000
:her, -cGy, single -	- 33	15	20	14	5	7	3	5	2	1	0	<b>-</b> :	3000
y, unknown dose -	19	8	13	2	2	7	0	0	1	2	0		
+- Other, <=cGy ¬	4.9e+02	1.9e+0 <i>2</i> 2	2.7e+02	1.4e+02	84	75	44	34	24	15	5	- 2	2000
l +- Other, >cGy -	5.2e+02	2.1e+0 <i>2</i> 2	2.9e+02	1.4e+02	68	59	24	10	10	3	4	- :	1000
r, unknown dose -	19	11	9	7	2	2	0	0	1	1	4		
	00	<i>&gt;</i> .	Ž.	n. O	comc	တွ <sup>်</sup> orbidity_s	6. score	10	8.0	9.	20,0	- (	0

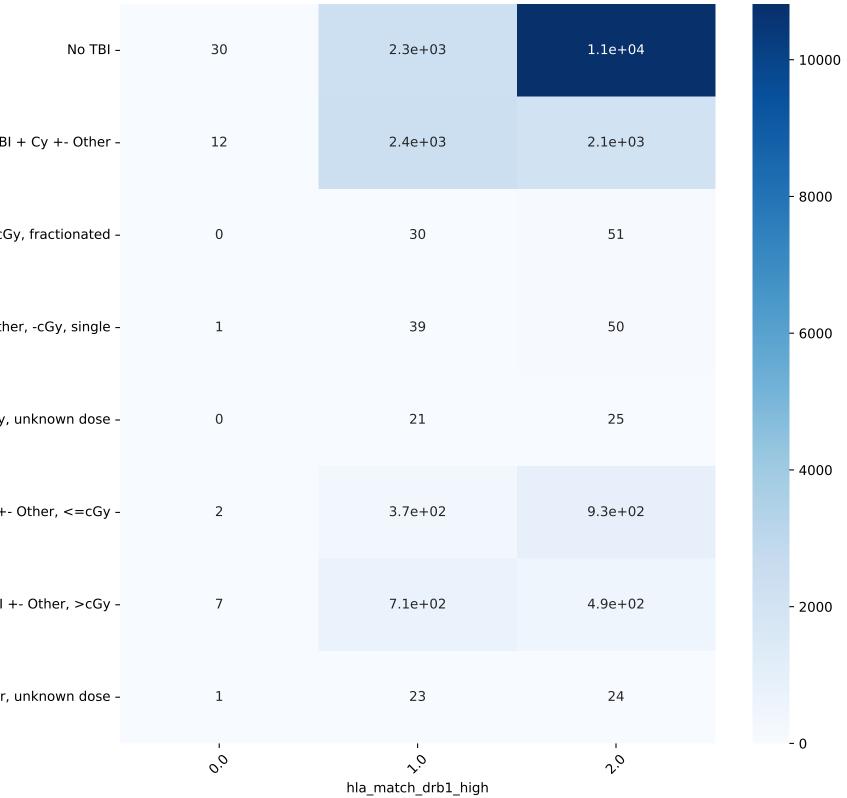
Heatmap: karnofsky\_score vs tbi\_status

No TBI -	7	43	6.8e+02	3.5e+03	9.2e+02	8.1e+03	1.2e+03	- 8000
Bl + Cy +- Other -	2	8	1.8e+02	1.1e+03	4.4e+02	2.6e+03	5e+02	- 7000
:Gy, fractionated -	0	0	10	23	11	42	9	- 6000
:her, -cGy, single -	0	1	6	26	10	49	10	- 5000
y, unknown dose –	0	0	2	11	2	30	7	- 4000
+- Other, <=cGy -	0	8	92	4e+02	1.2e+02	6.4e+02	1.1e+02	- 3000
l +- Other, >cGy -	0	5	43	2.8e+02	1.1e+02	7.8e+02	1.1e+02	- 2000
r, unknown dose -	0	0	4	10	4	25	12	- 1000
	<sup>1</sup> 000	50.	60,0	10,0	80.0	90,0	200.0	- 0
			ka	arnofsky_scor	re			

Heatmap: hla\_low\_res\_8 vs tbi\_status

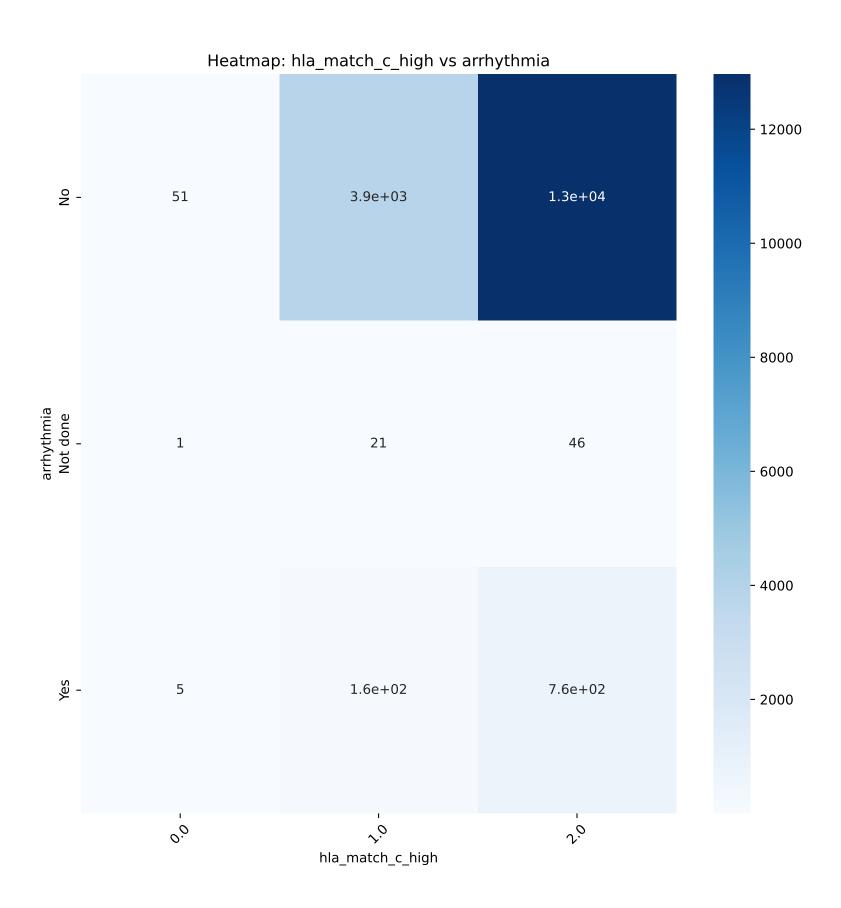
					_			_	
No TBI -	1	10	1.1e+03	6.2e+02	6.5e+02	1.2e+03	9.4e+03		
Bl + Cy +- Other -	0	3	1.6e+03	4.2e+02	3.2e+02	5.2e+02	1.5e+03		- 8000
:Gy, fractionated -	0	0	16	7	5	13	39		- 6000
:her, -cGy, single -	0	0	24	6	7	9	41		
y, unknown dose -	0	0	11	6	3	5	20		- 4000
+- Other, <=cGy -	0	0	2.1e+02	91	73	1.8e+02	7.5e+02		
l +- Other, >cGy -	0	3	4.6e+02	1.4e+02	1.1e+02	1.3e+02	3.6e+02		- 2000
r, unknown dose -	0	0	16	4	4	6	19		
	20	3.0	, o	ှ <sup>်</sup> nla_low_res_8	6,0	10	80		- 0

Heatmap: hla\_match\_drb1\_high vs tbi\_status



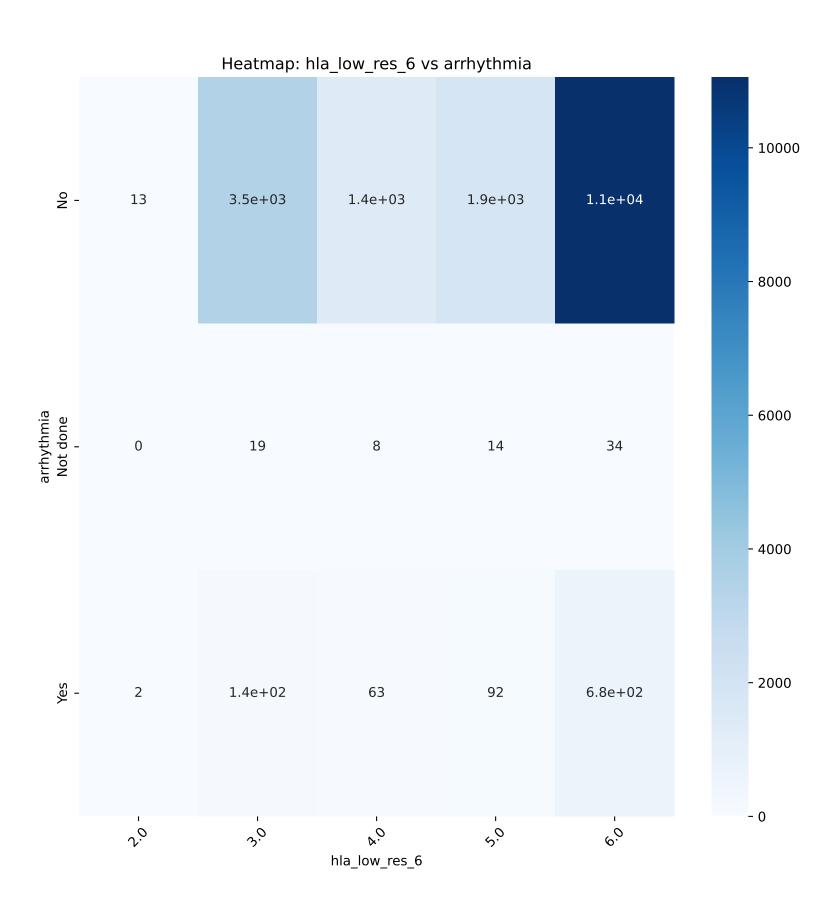
Heatmap: hla\_low\_res\_10 vs tbi\_status

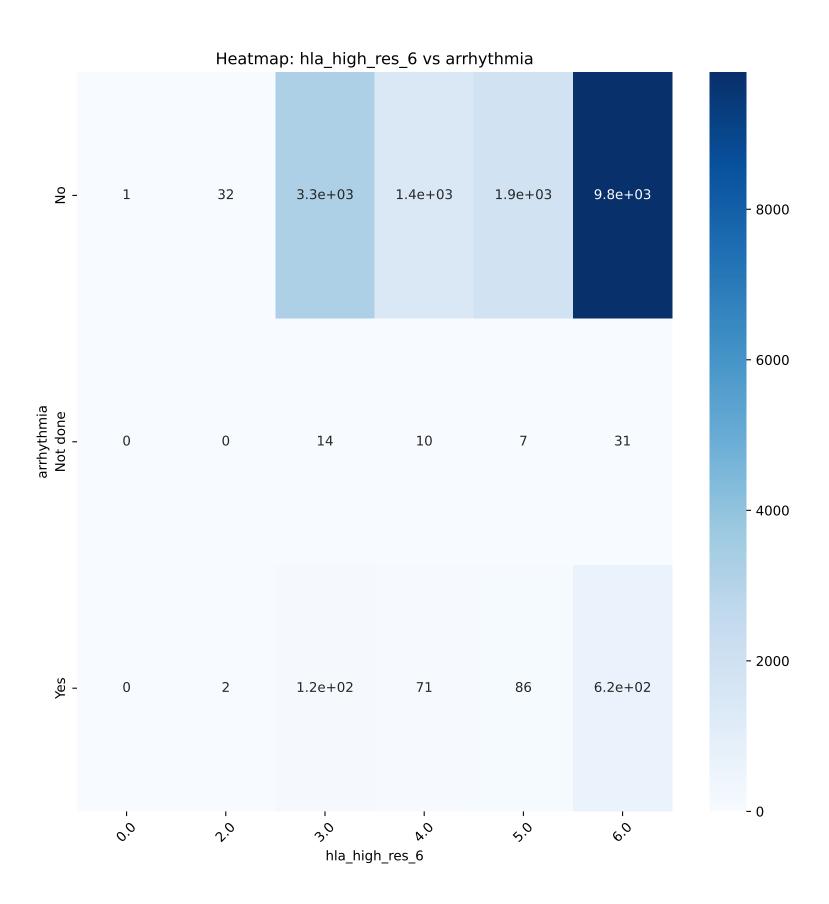
No TBI -	16	7.4e+02	5.8e+02	4.8e+02	6.2e+02	1.2e+03	8.6e+03	_	- 8000
Bl + Cy +- Other -	4	1.3e+03	4.6e+02	2.8e+02	3e+02	4.7e+02	1.3e+03	-	- 7000
:Gy, fractionated -	0	10	8	4	5	13	36	-	- 6000
ther, -cGy, single -	0	17	11	5	5	8	39	-	- 5000
y, unknown dose -	0	10	2	8	1	2	18	-	- 4000
+- Other, <=cGy -	2	1.5e+02	1e+02	66	84	1.6e+02	7e+02	-	- 3000
l +- Other, >cGy -	2	3.9e+02	1.6e+02	90	92	1.2e+02	3e+02	-	- 2000
r, unknown dose -	0	11	6	1	4	6	14	_	- 1000
	Ø.	<i>∞</i> .	%. h	$\sqrt{\frac{1}{2}}$ la_low_res_1	&. 0	9.0	20.0		- 0



Heatmap: hla\_high\_res\_8 vs arrhythmia 8000 ဍိ -2 23 2.7e+03 1.2e+03 1e+03 1.6e+03 9.5e+03 6000 arrhythmia Not done ' 0 0 13 8 3 5 31 - 4000 - 2000 Yes -1 1e+02 55 43 87 6e+02 - 0 °.0 10 Þ. 0

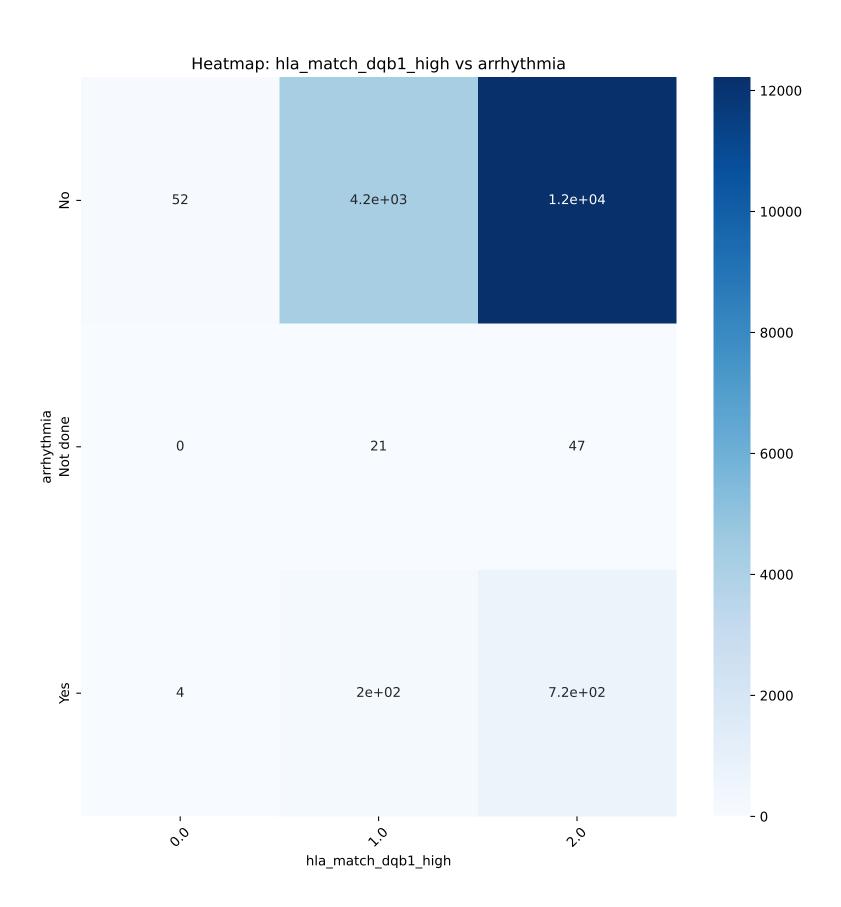
hla\_high\_res\_8

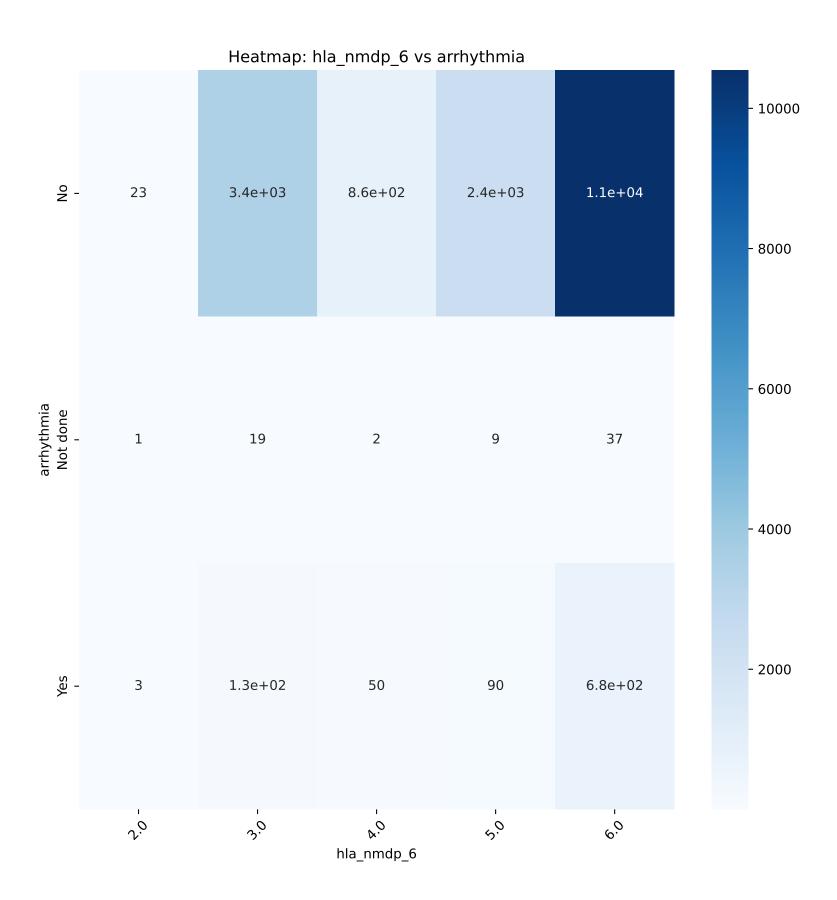


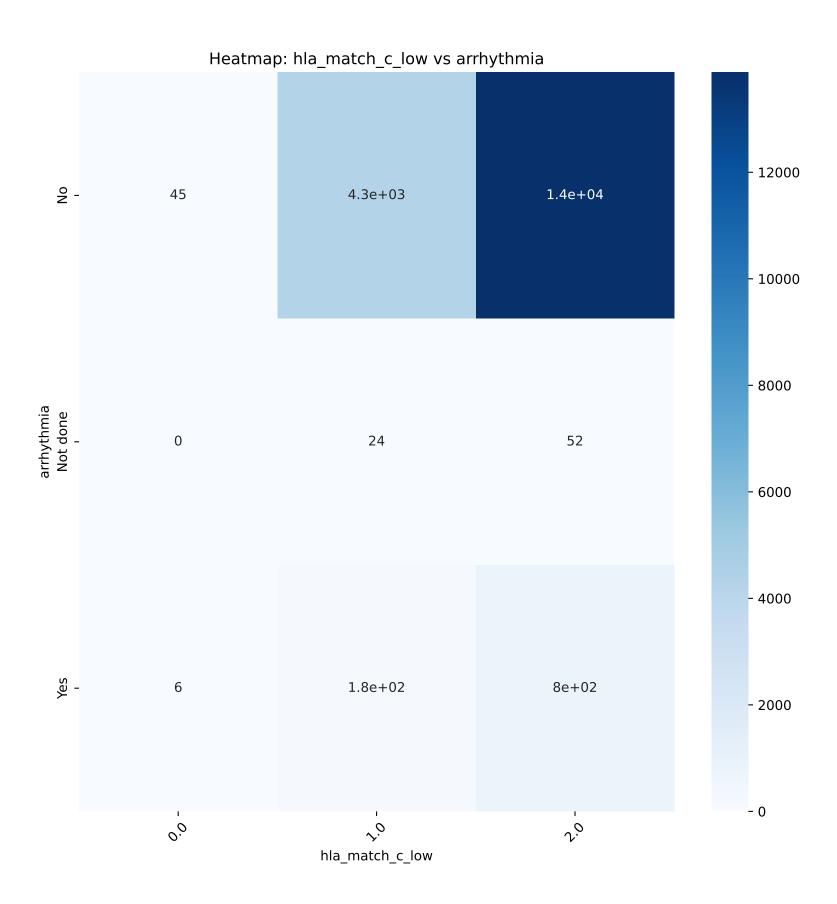


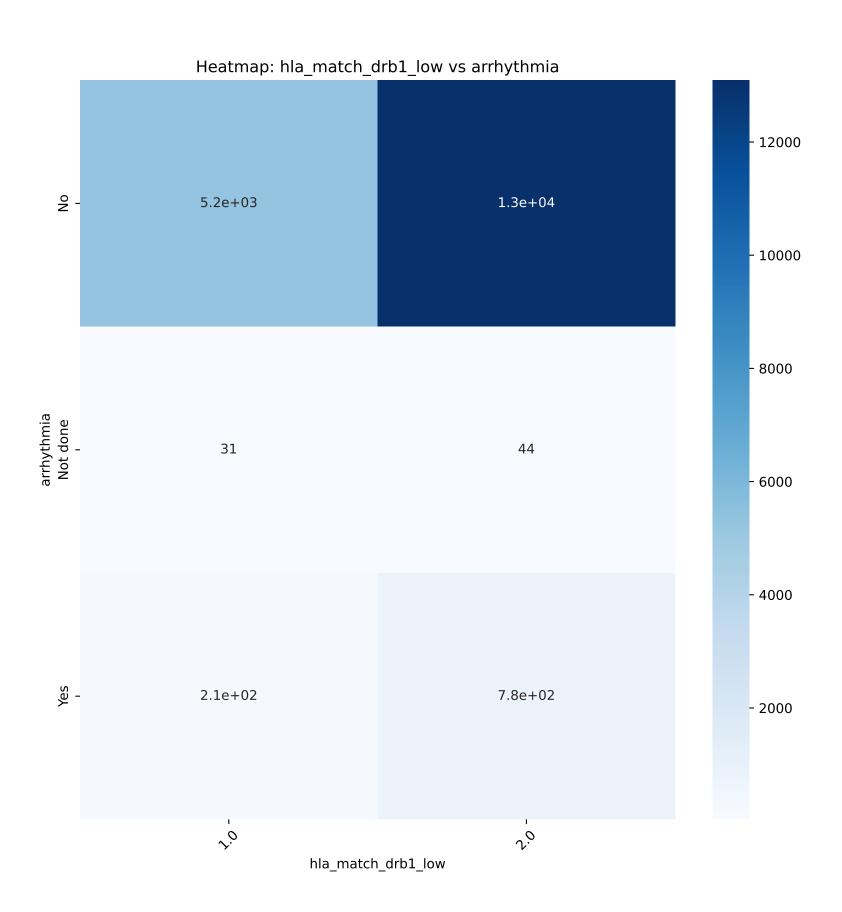
Heatmap: hla\_high\_res\_10 vs arrhythmia - 8000 ဍိ -1 19 2.3e+03 9.2e+02 8.2e+02 8.8e+02 1.6e+03 8.6e+03 - 7000 6000 - 5000 arrhythmia Not done ' 0 11 6 5 28 0 4 - 4000 - 3000 - 2000 Yes -76 42 54 35 89 5.5e+02 - 1000 - 0 10 8.0 50 °.

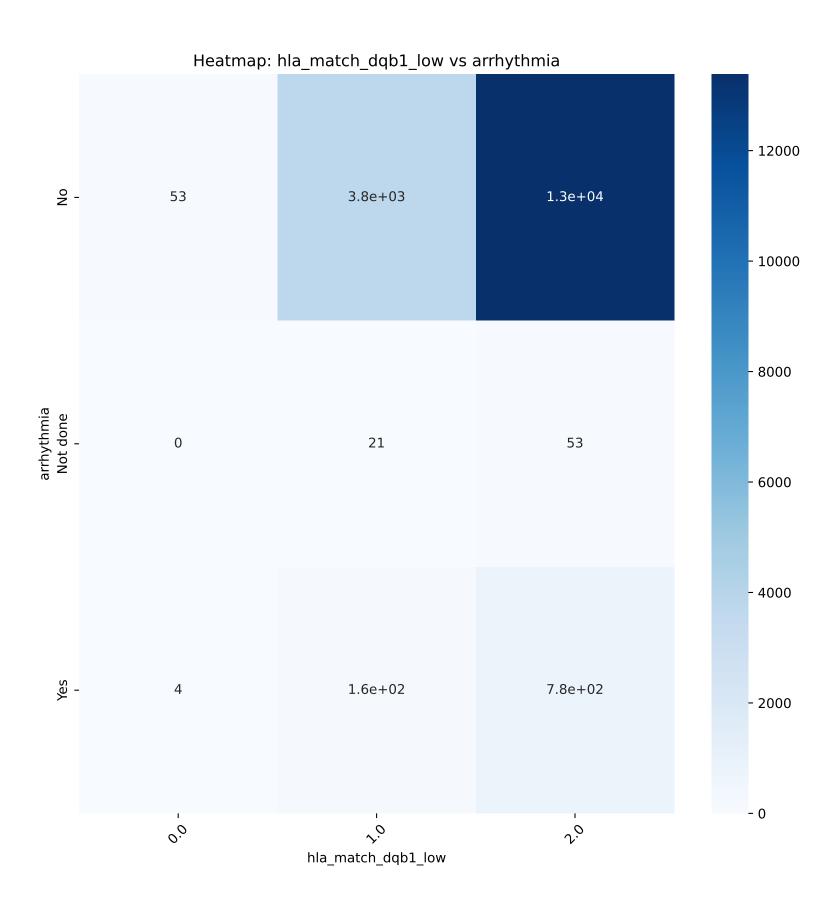
hla\_high\_res\_10

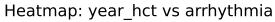


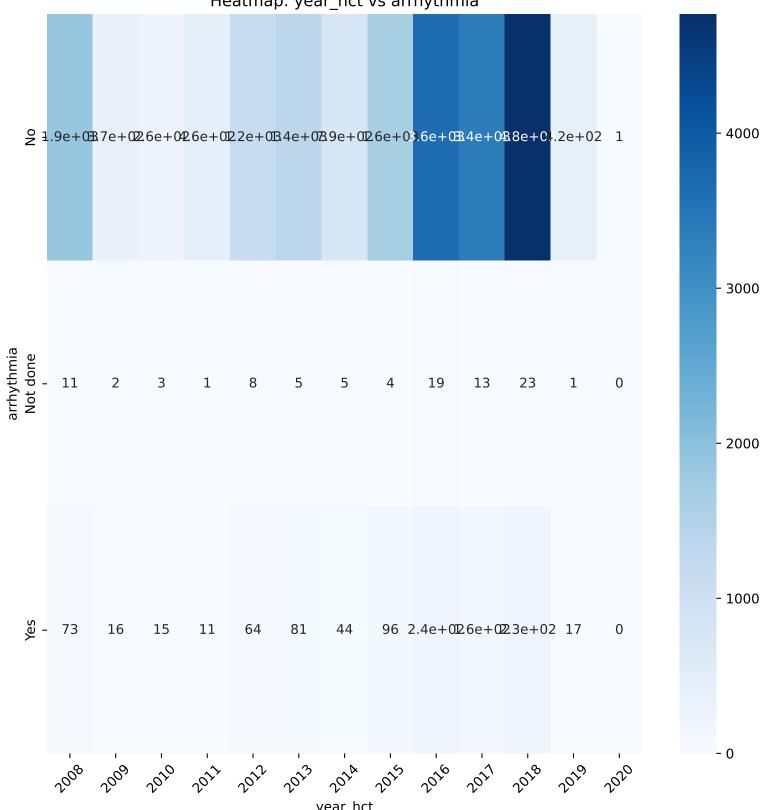


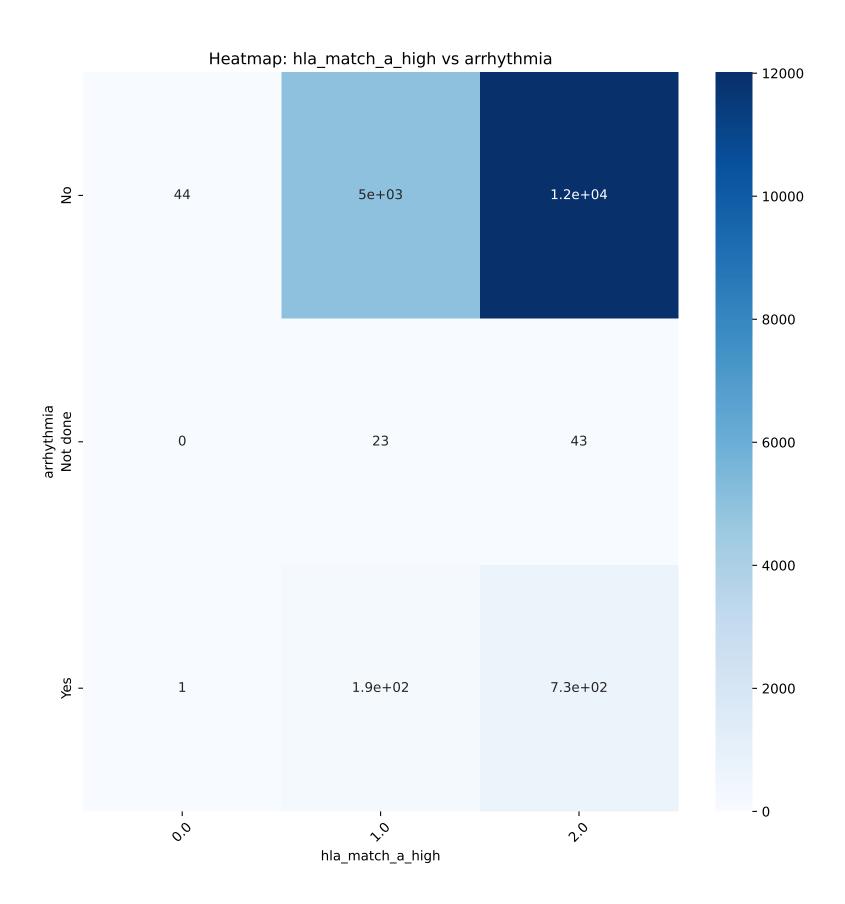


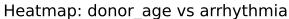


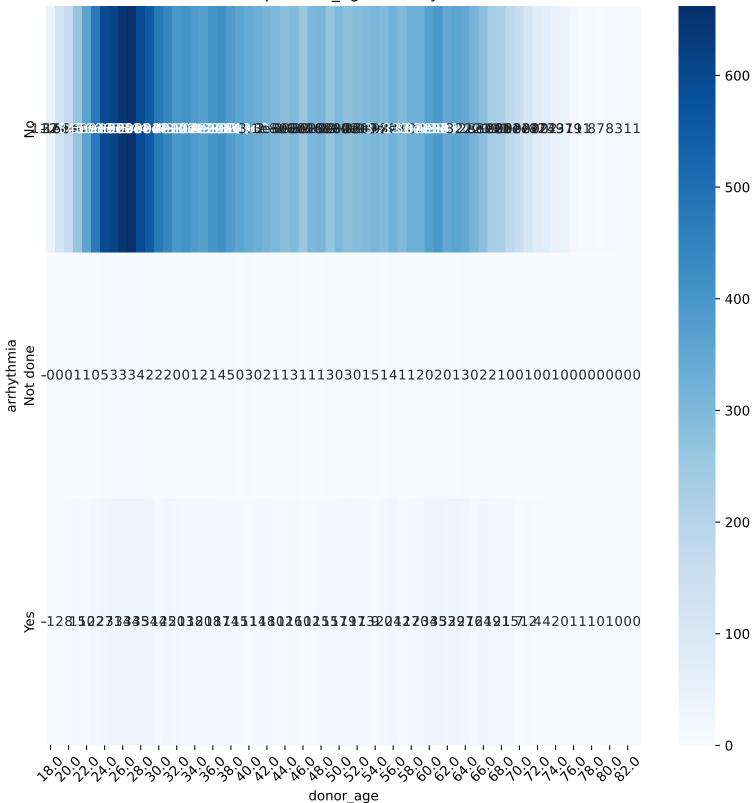


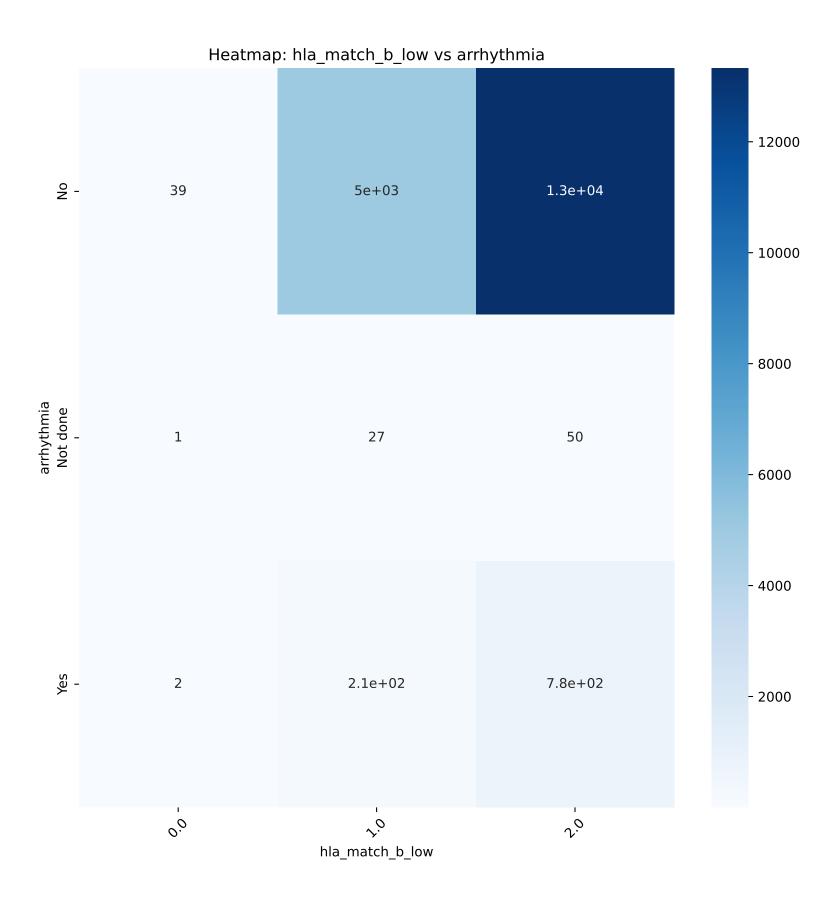




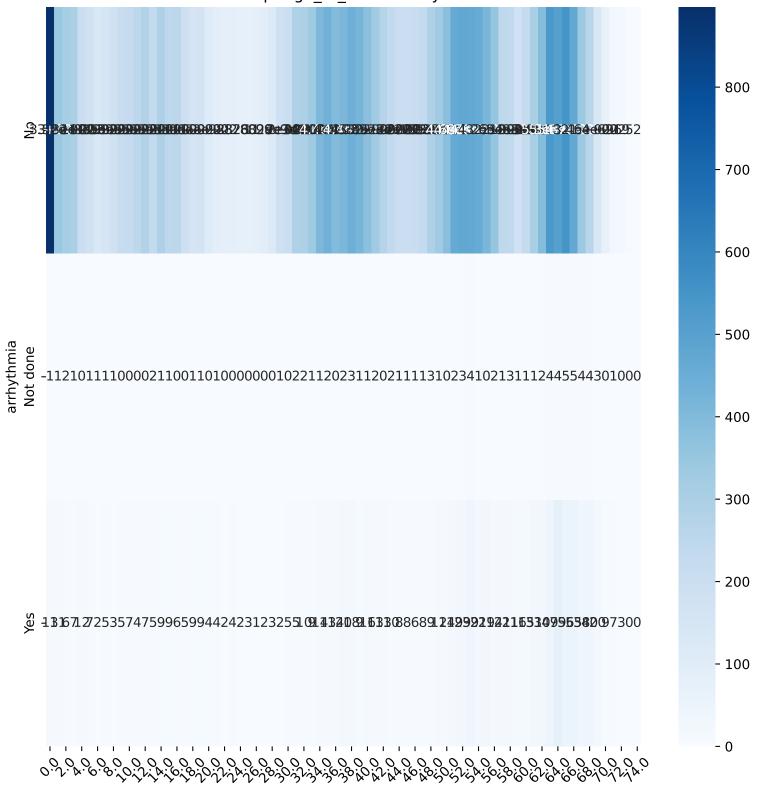


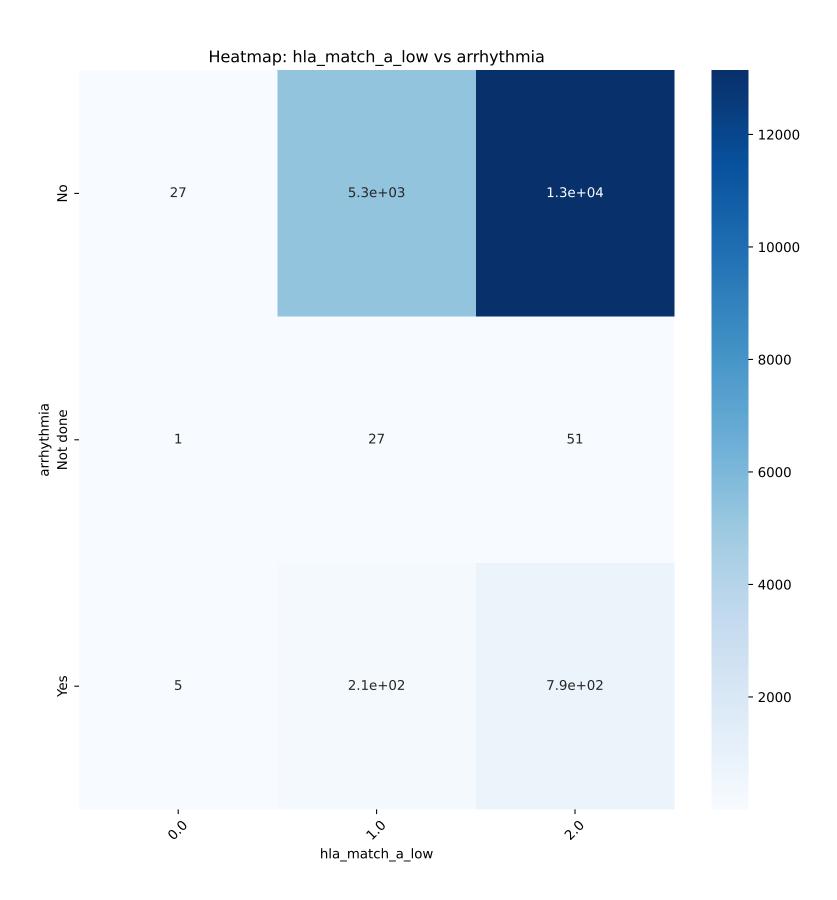


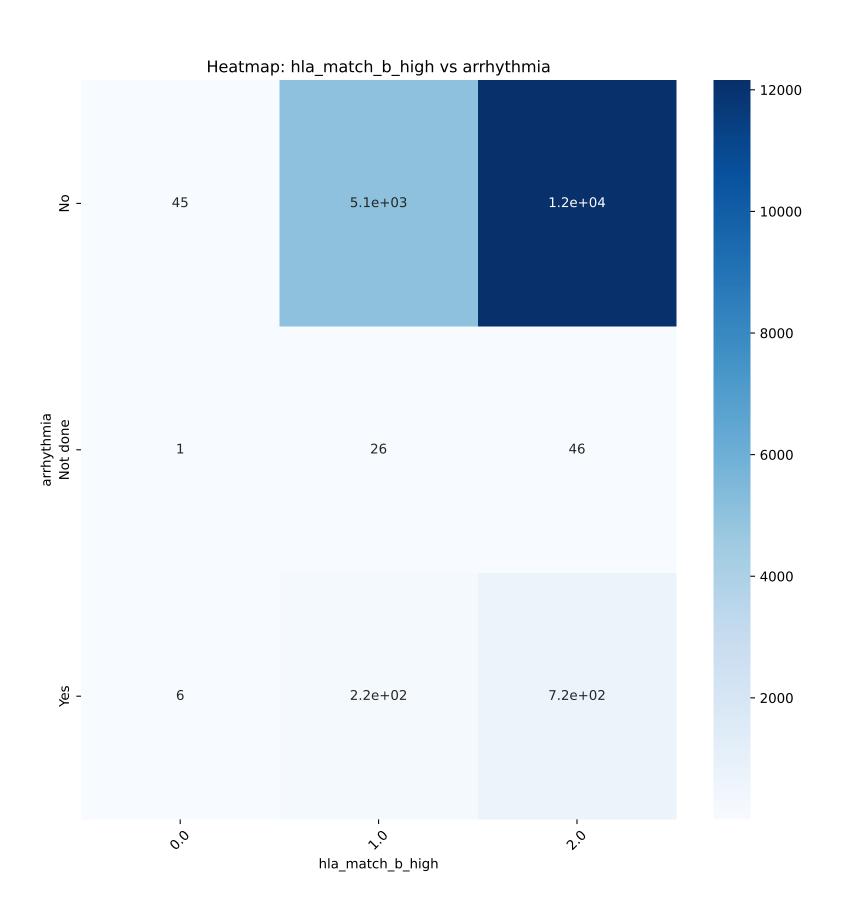


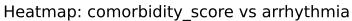


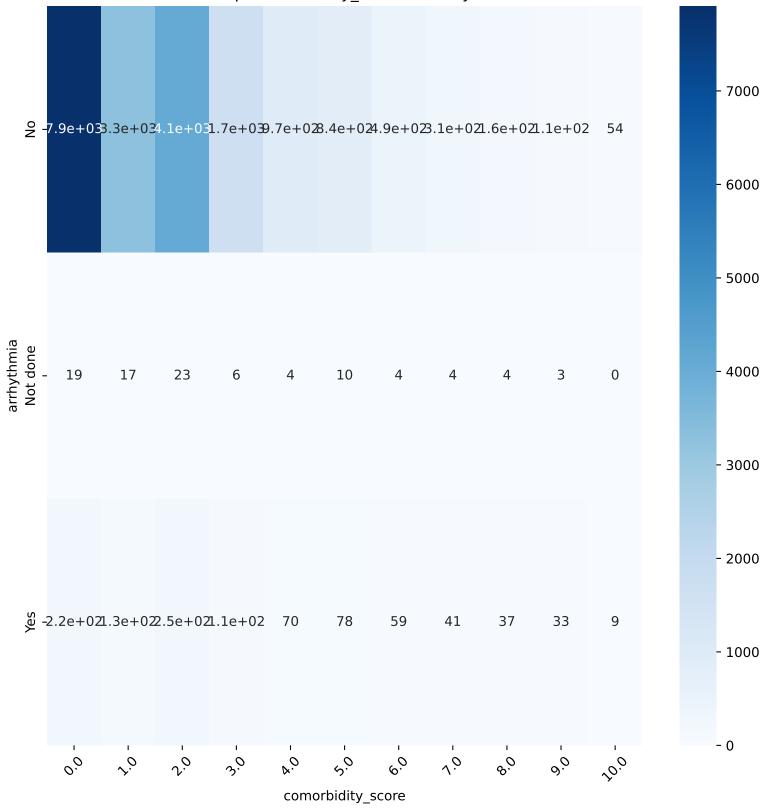
## Heatmap: age\_at\_hct vs arrhythmia

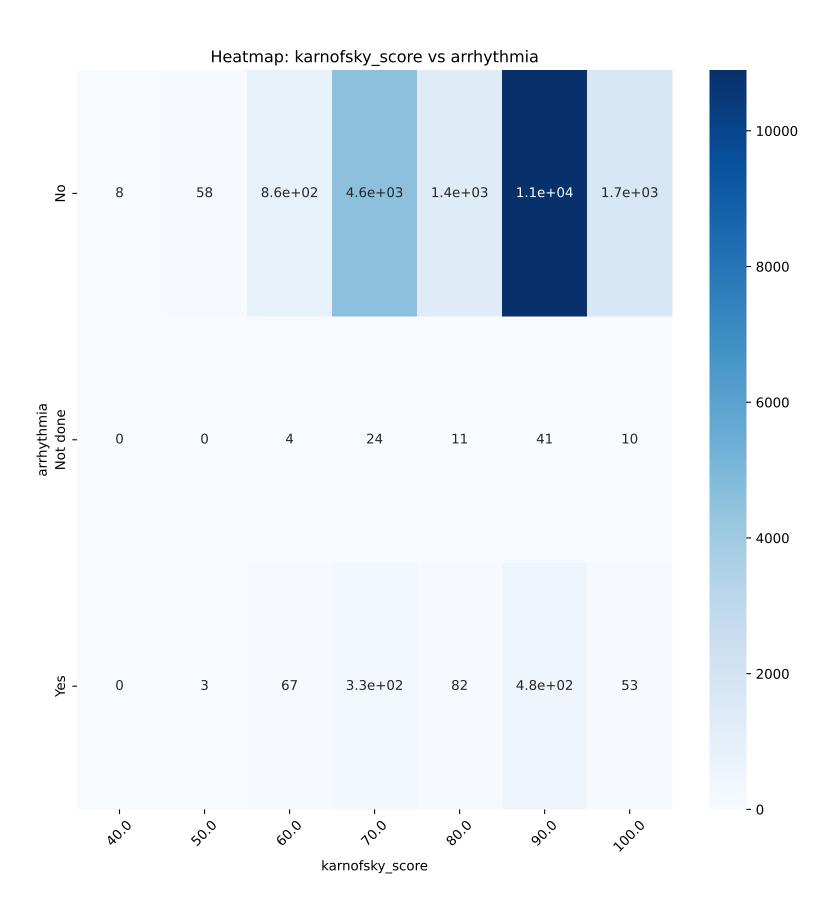






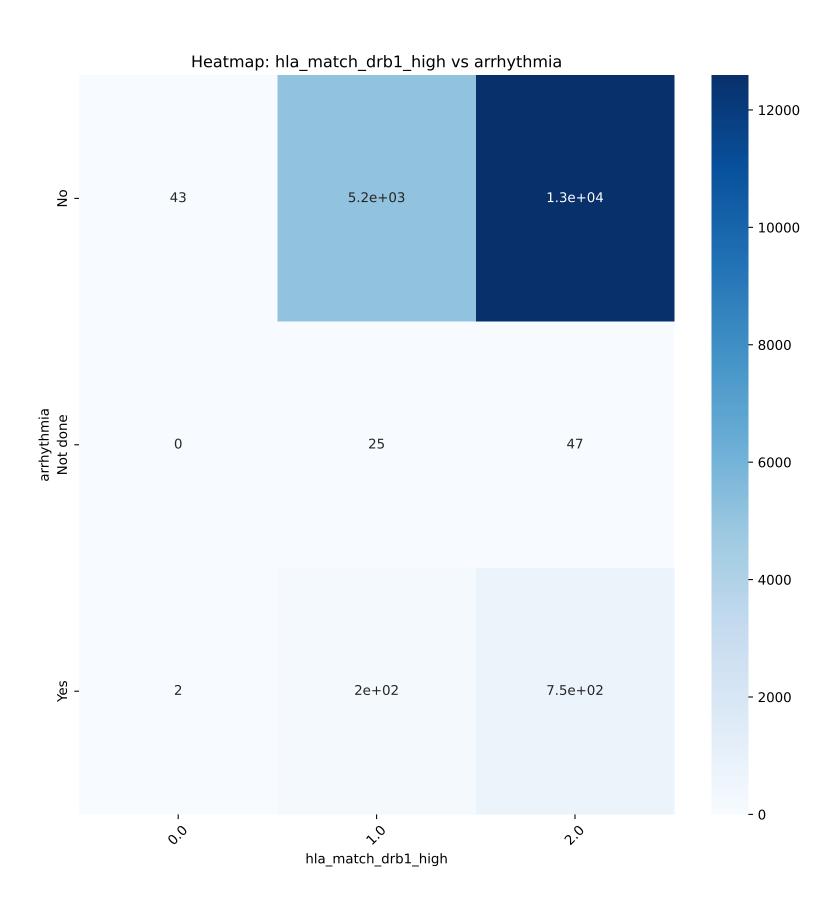




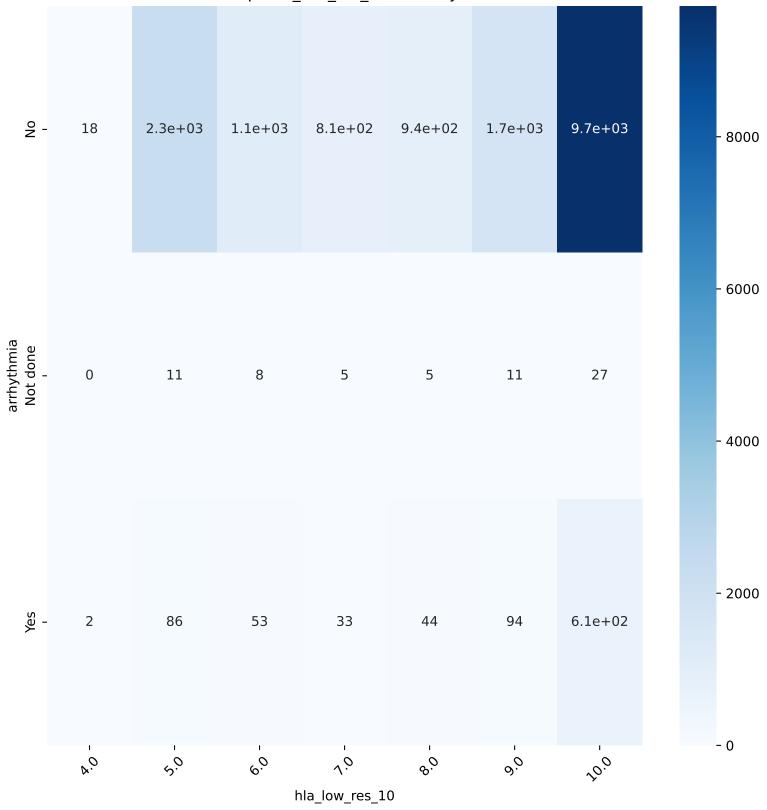


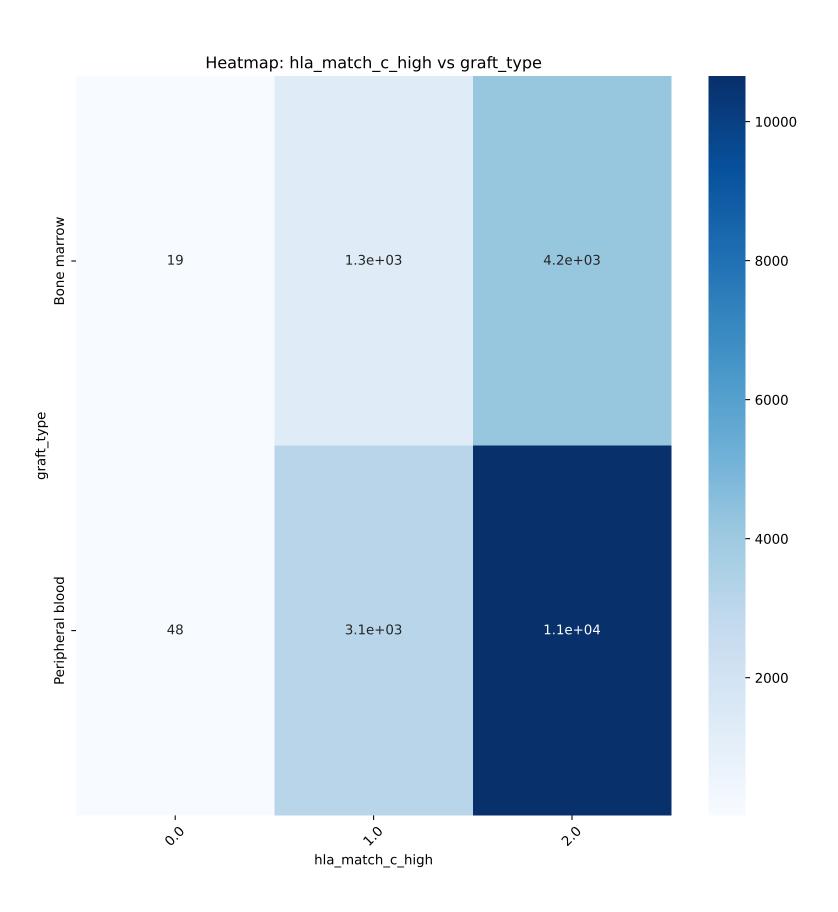
Heatmap: hla\_low\_res\_8 vs arrhythmia - 10000 ဍိ -1 13 3e+03 1.1e+03 9.9e+02 1.8e+03 1.1e+04 8000 6000 arrhythmia Not done ' 0 0 13 10 6 30 11 - 4000 - 2000 Yes -2 1.2e+02 47 49 82 6.6e+02 - 0 6.0 10 ø. 0

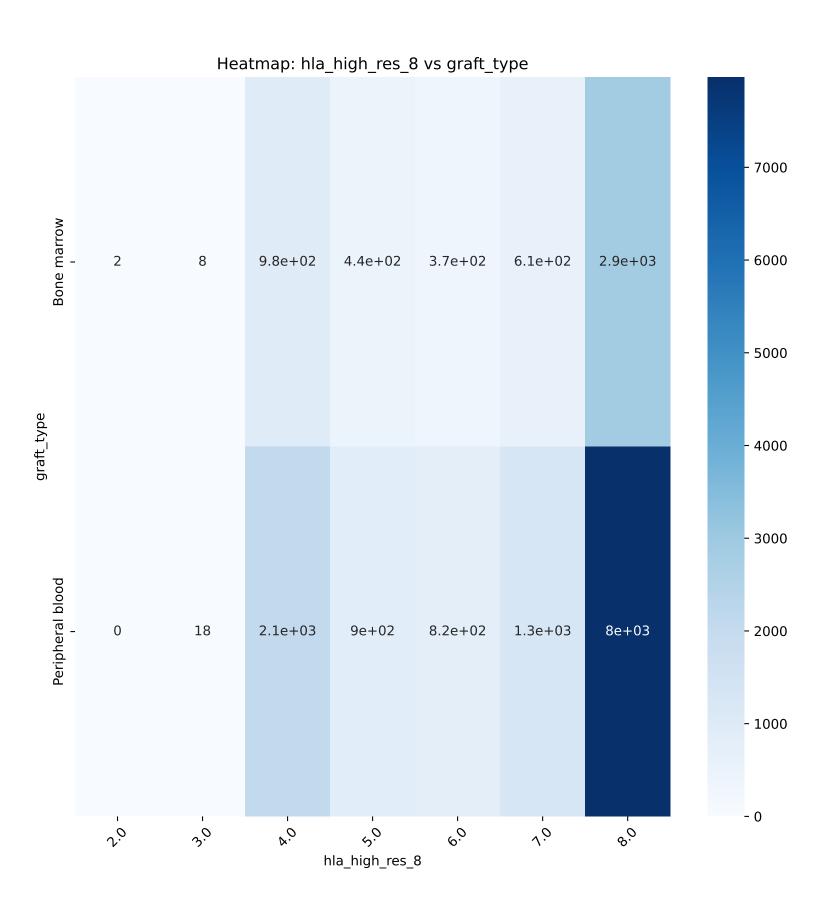
hla\_low\_res\_8

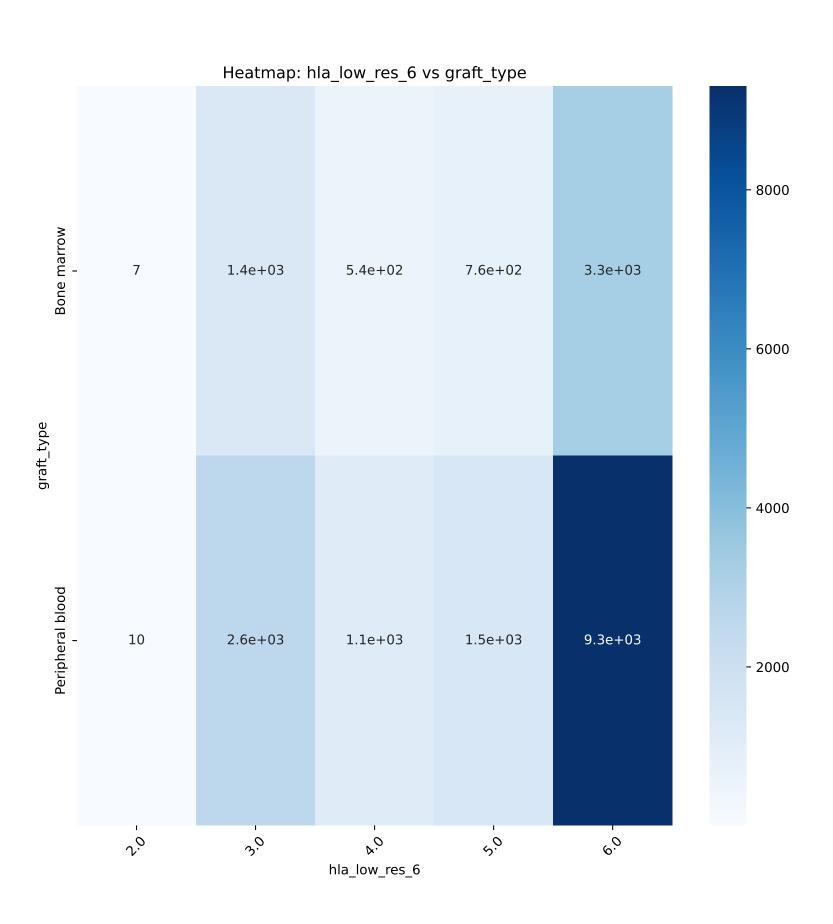


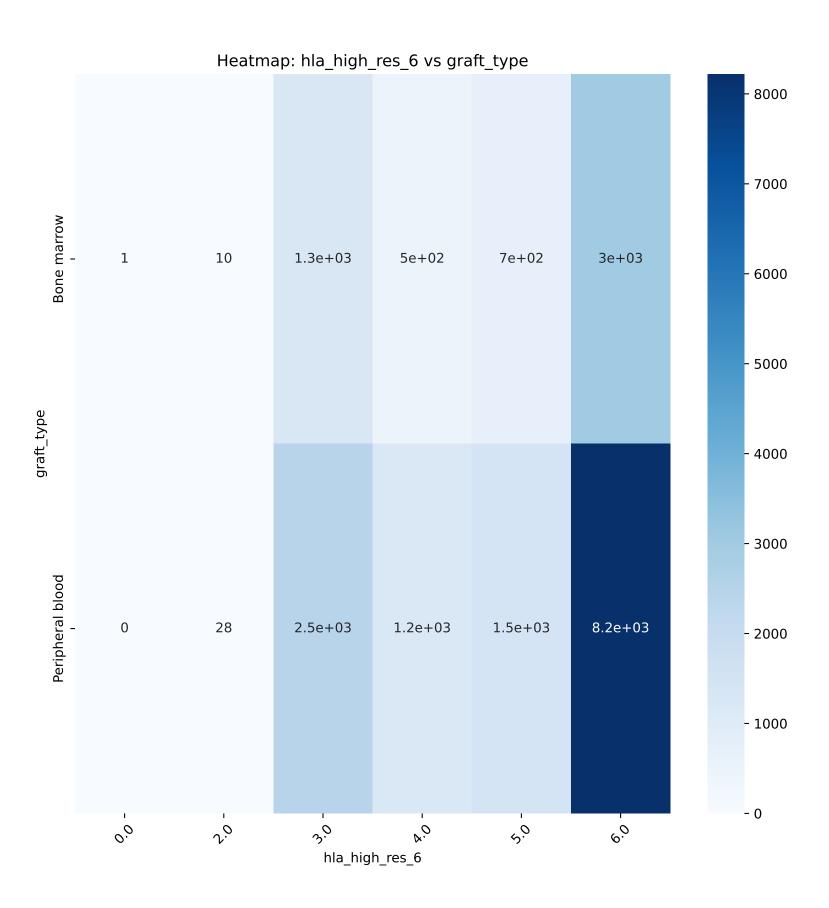
Heatmap: hla\_low\_res\_10 vs arrhythmia





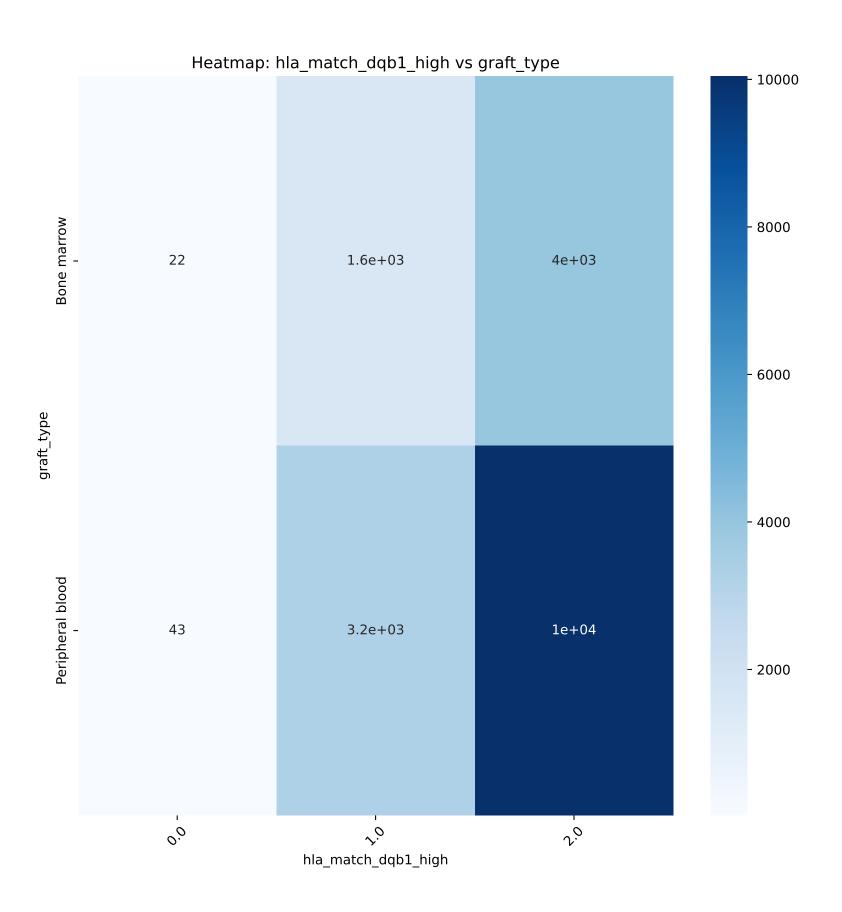


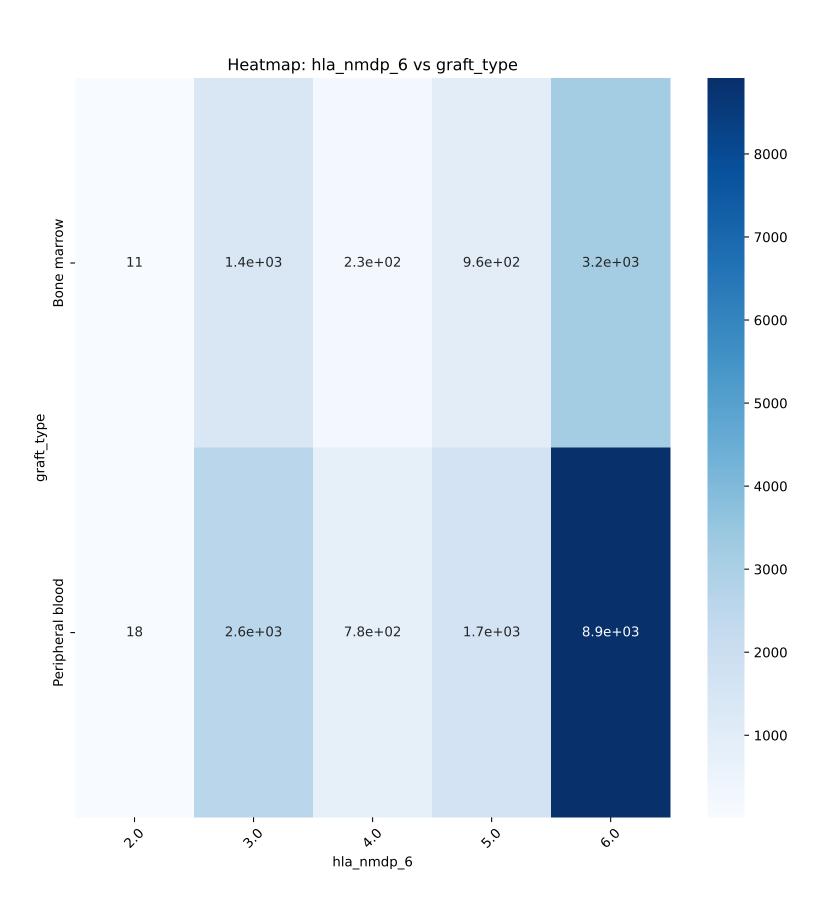


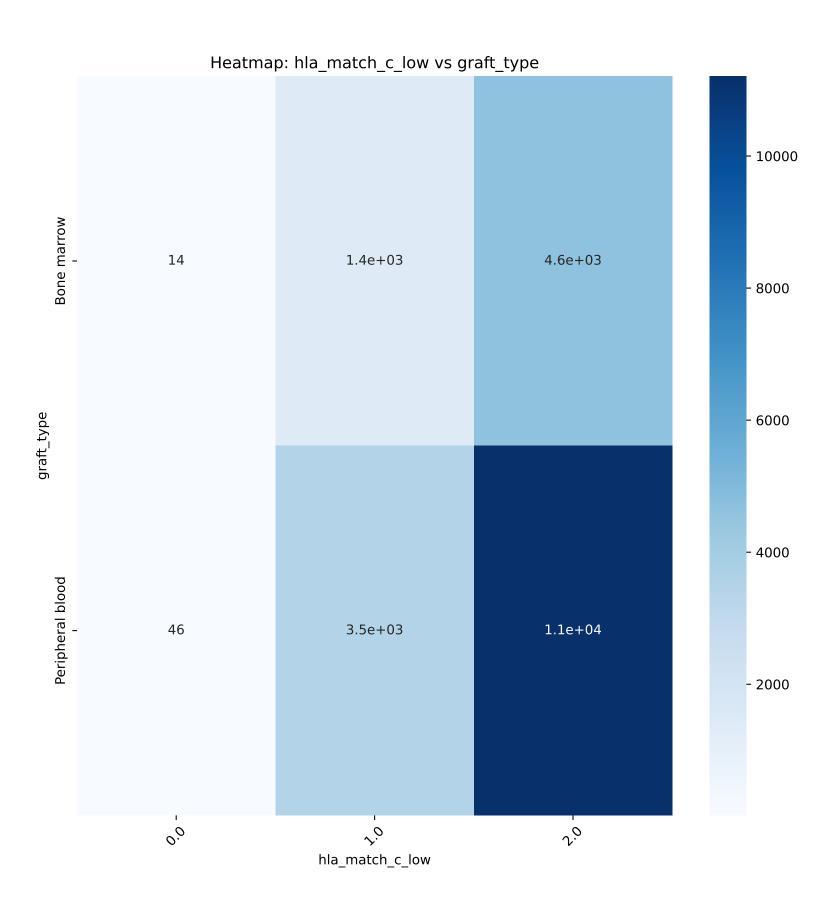


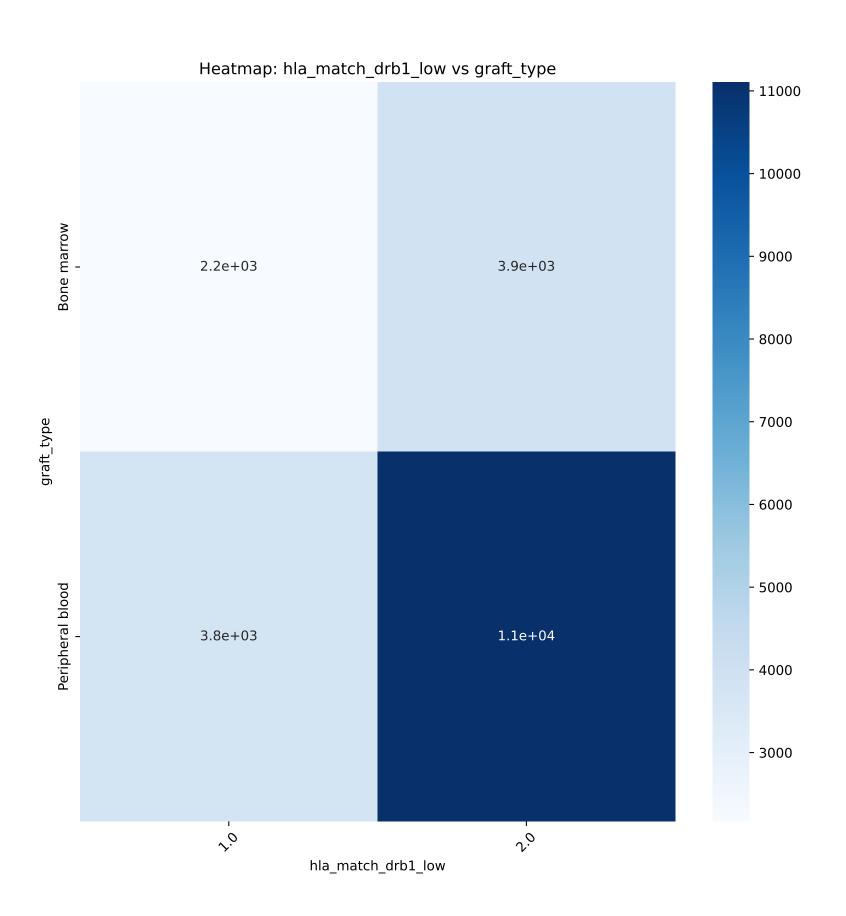
Heatmap: hla\_high\_res\_10 vs graft\_type 7000 6000 Bone marrow 1 7 8.4e+02 3.5e+02 3.2e+02 3.2e+02 6e+02 2.6e+03 5000 4000 graft\_type 3000 Peripheral blood - 2000 7.4e+02 6.4e+02 7.2e+03 0 16 1.7e+03 7e+02 1.3e+03 - 1000 - 0 °.0 □ %. 'O 10 °, 90 80 200

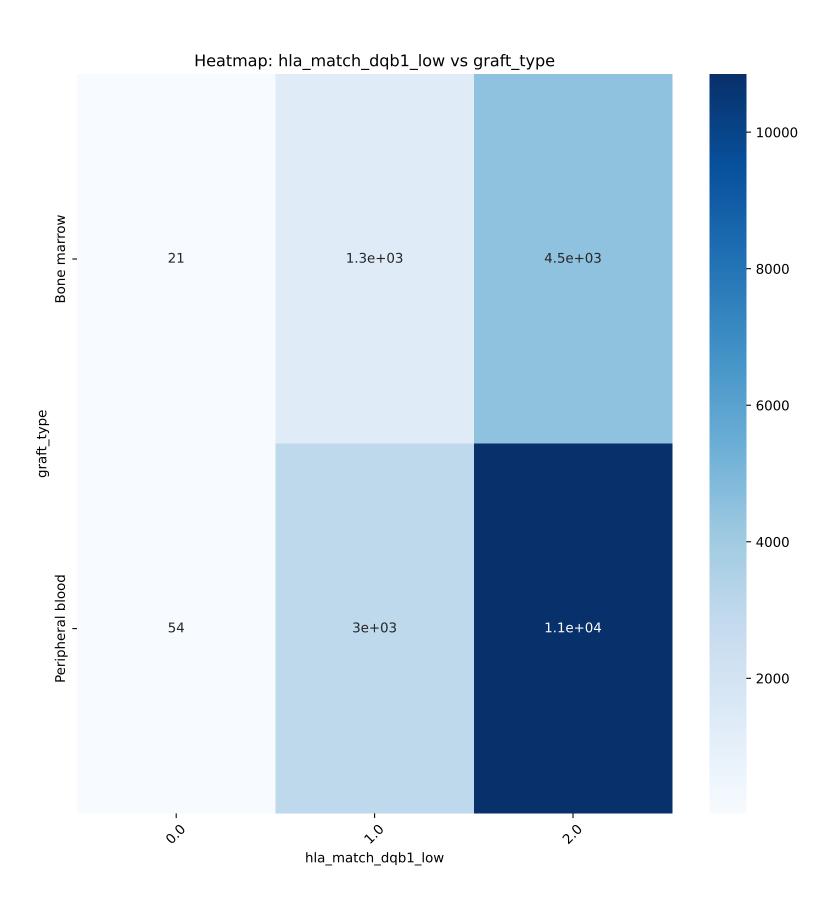
hla\_high\_res\_10

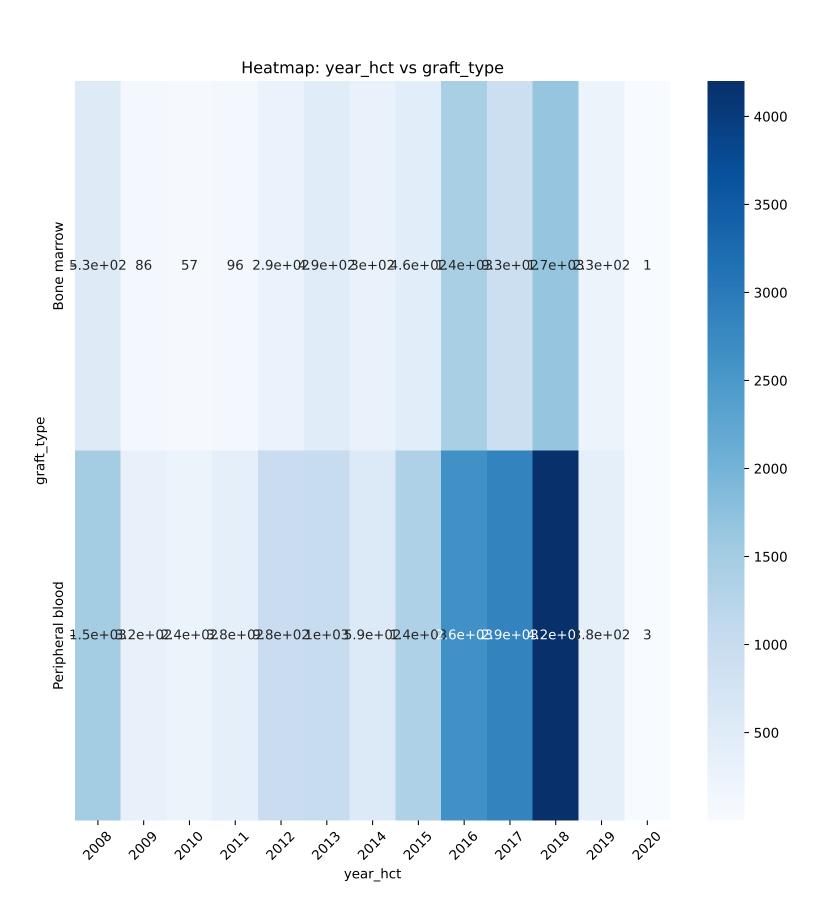


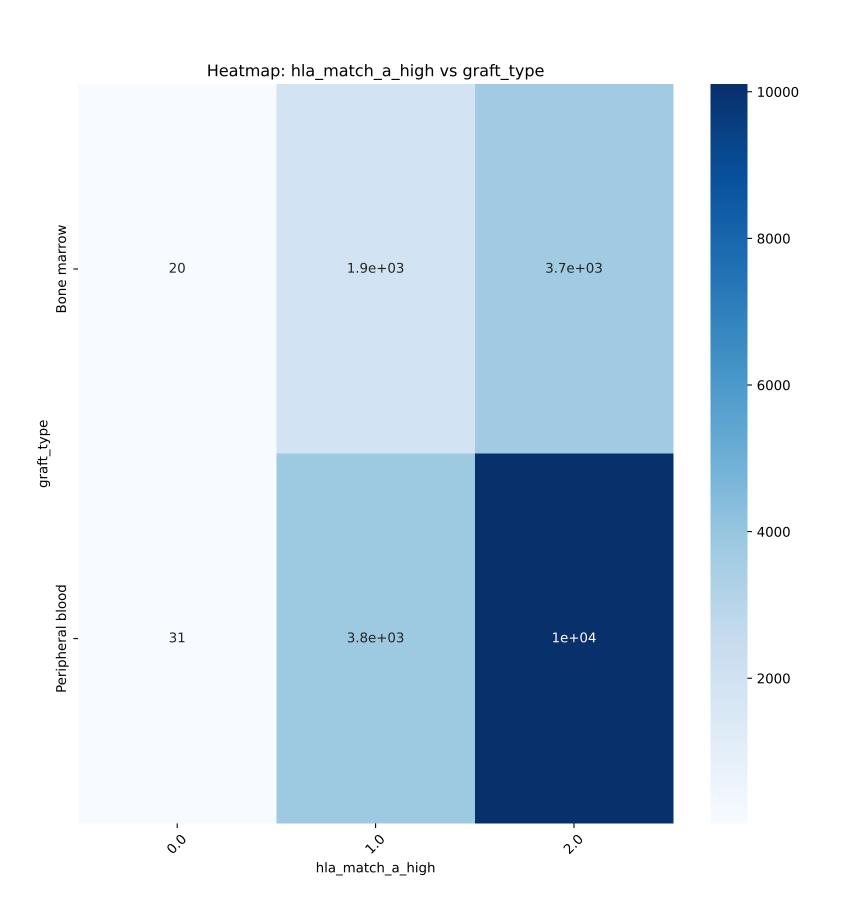


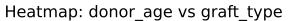


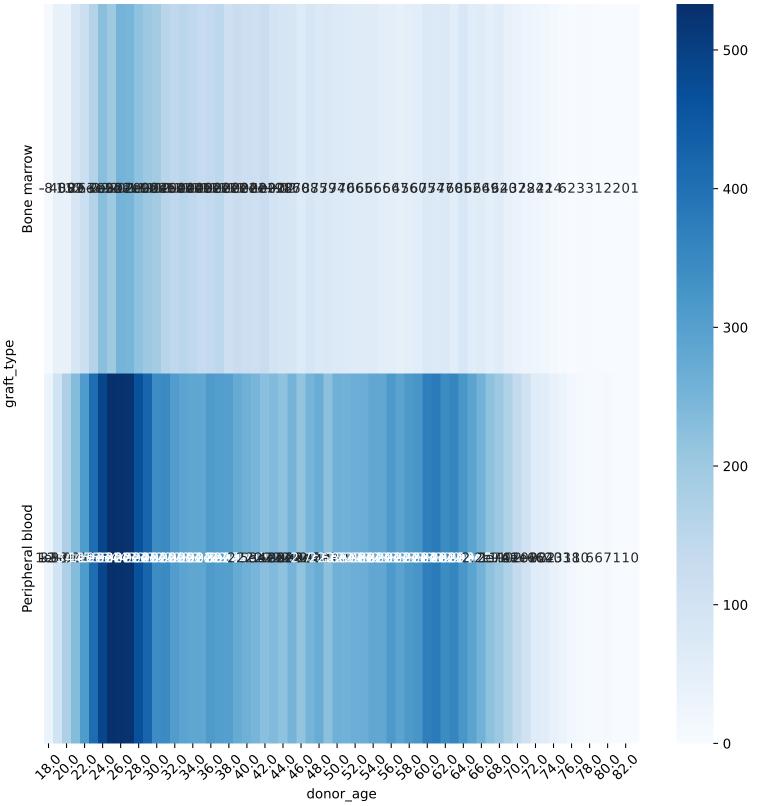


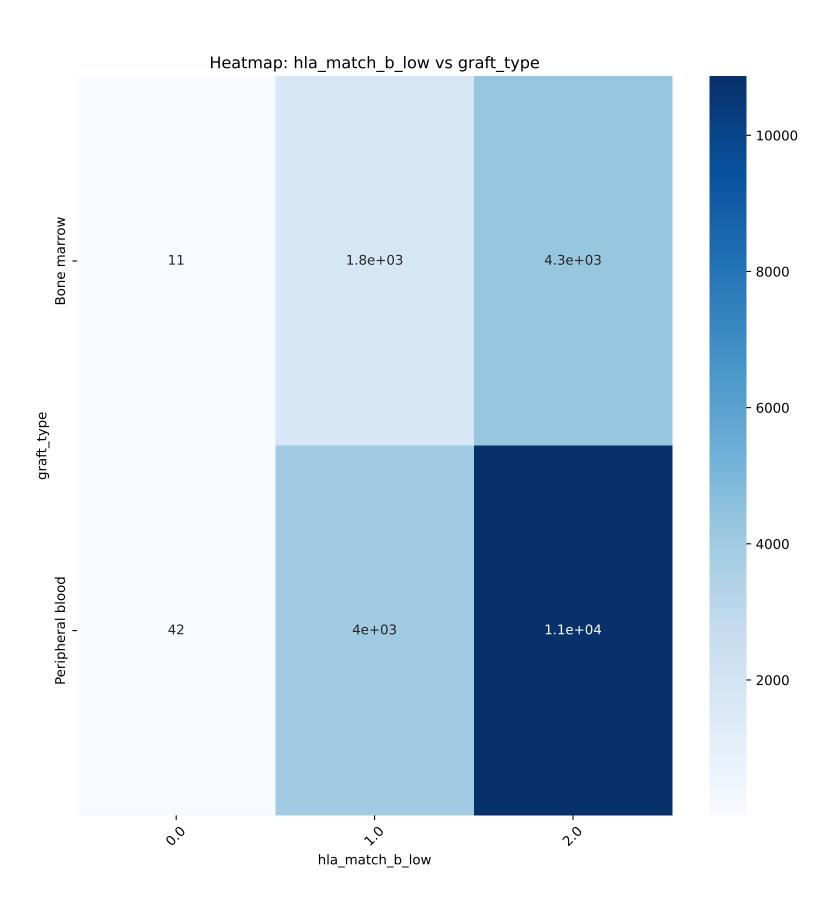


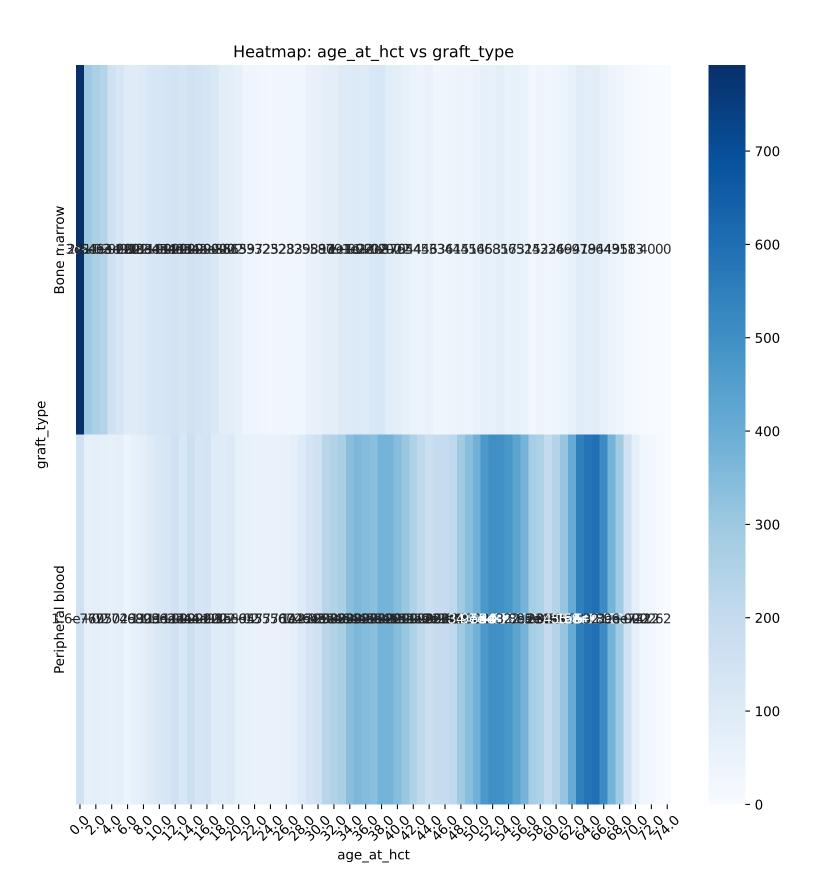


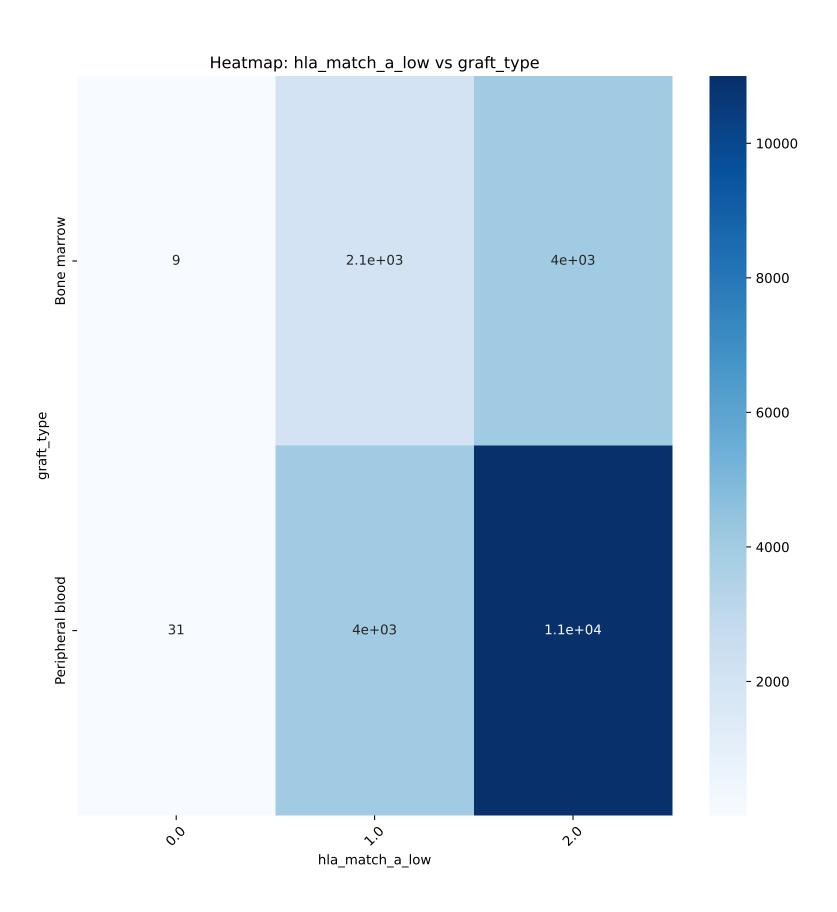


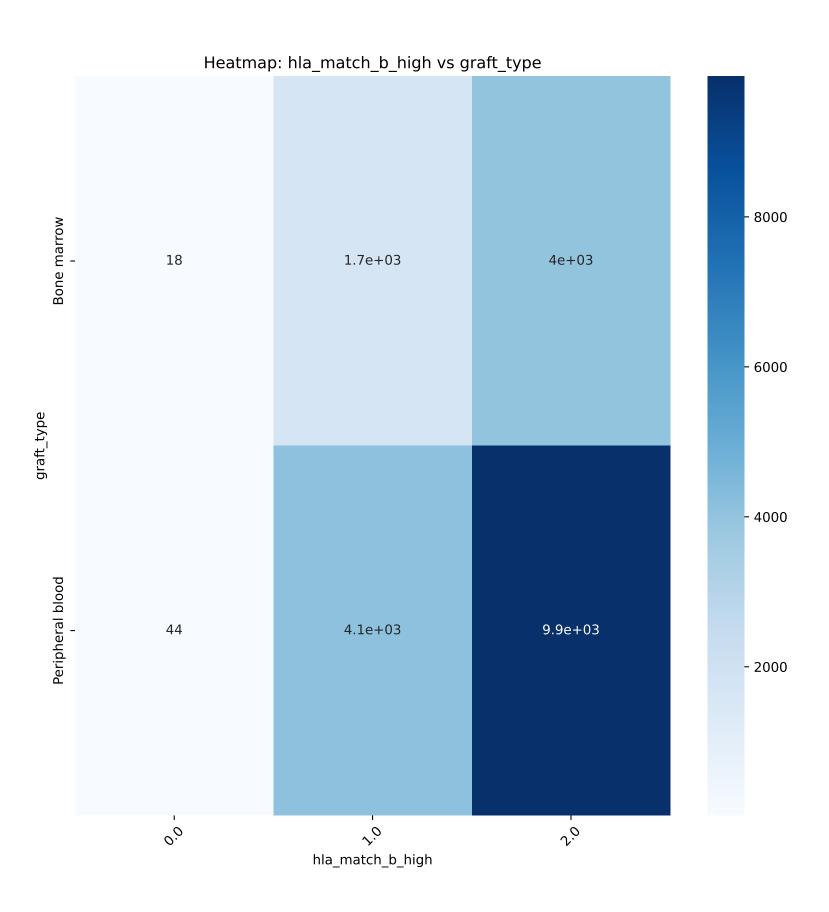


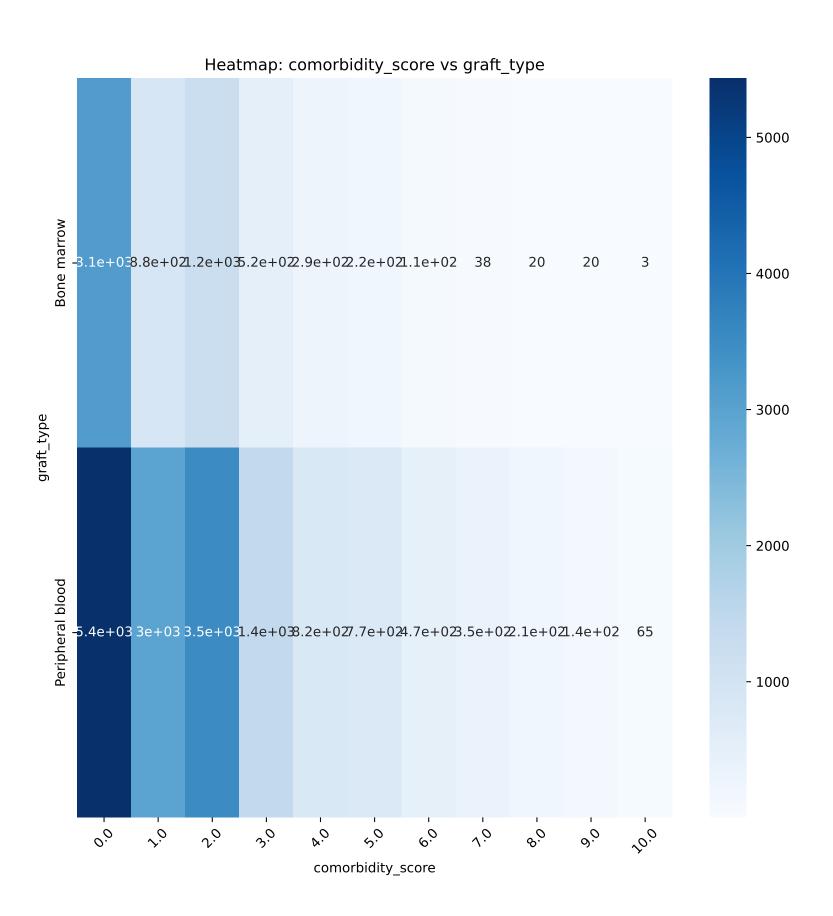


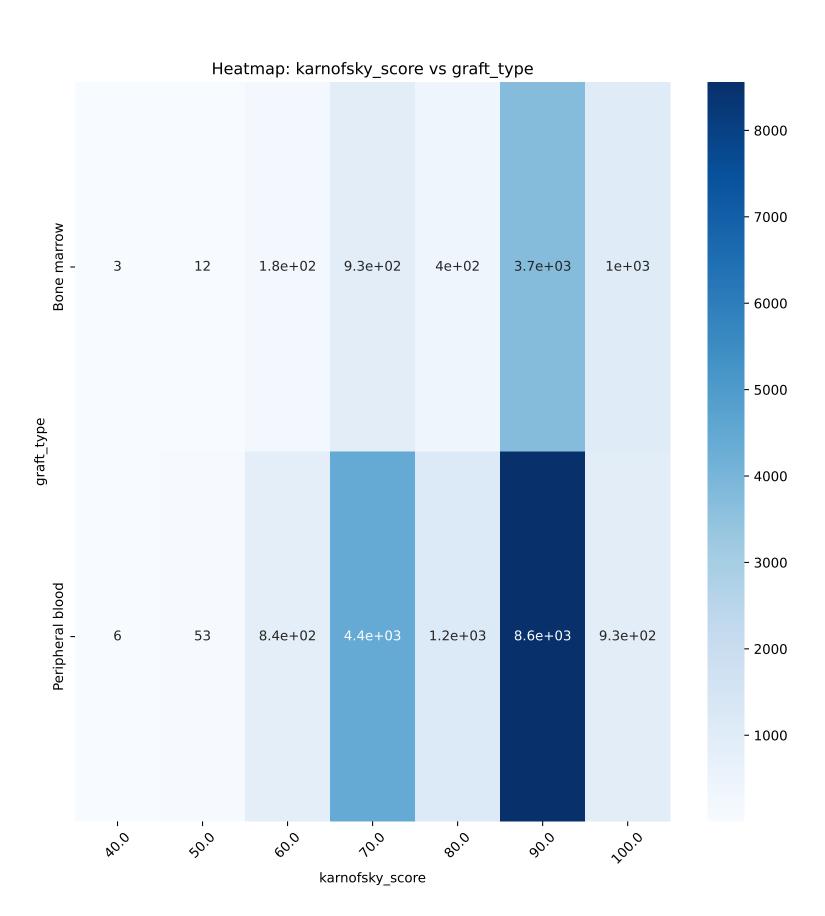


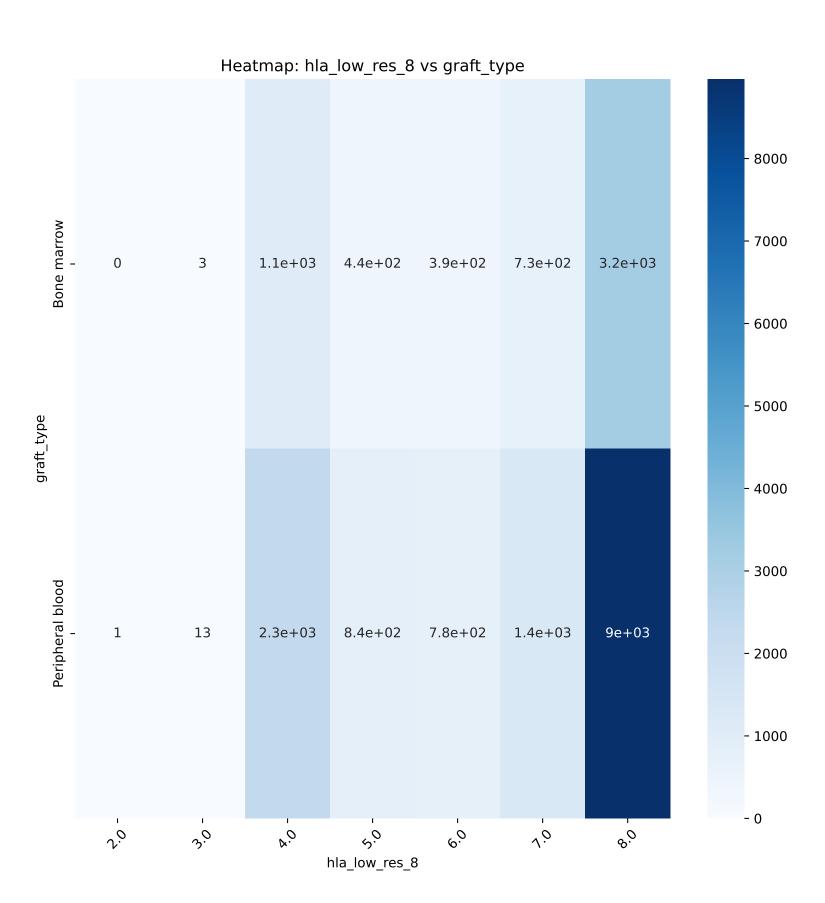


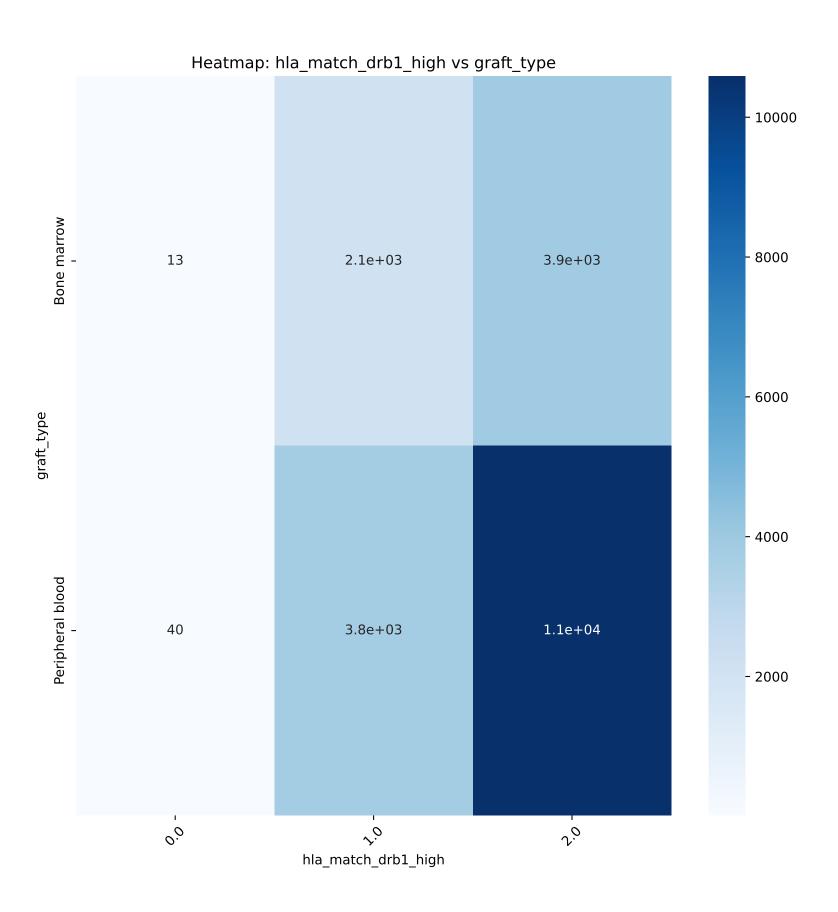


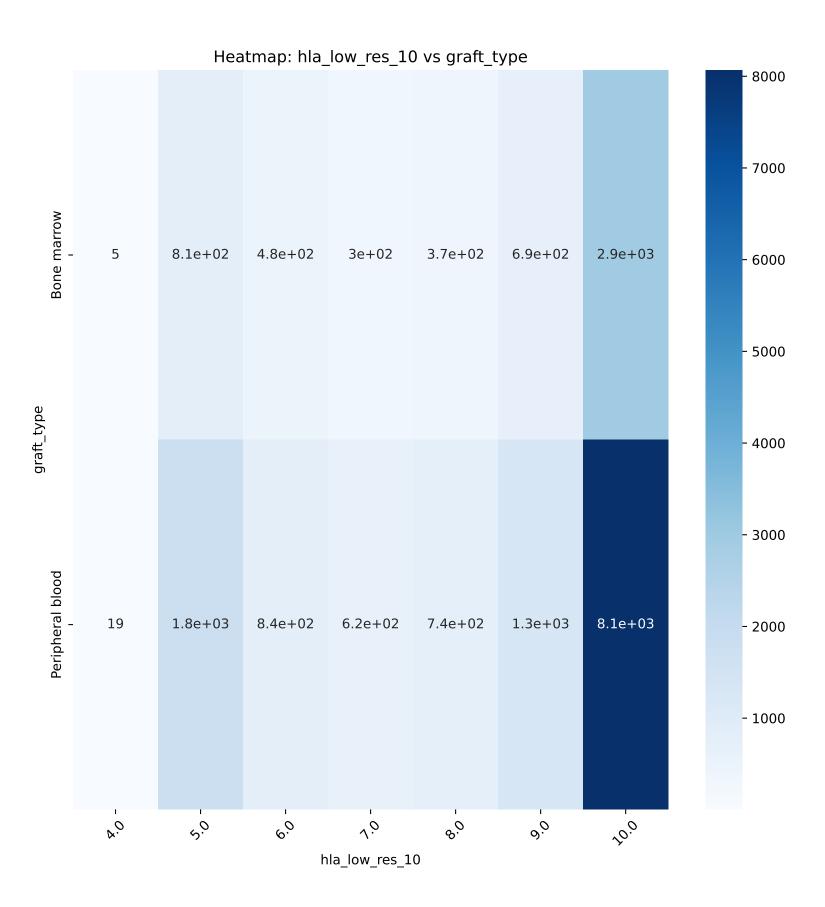


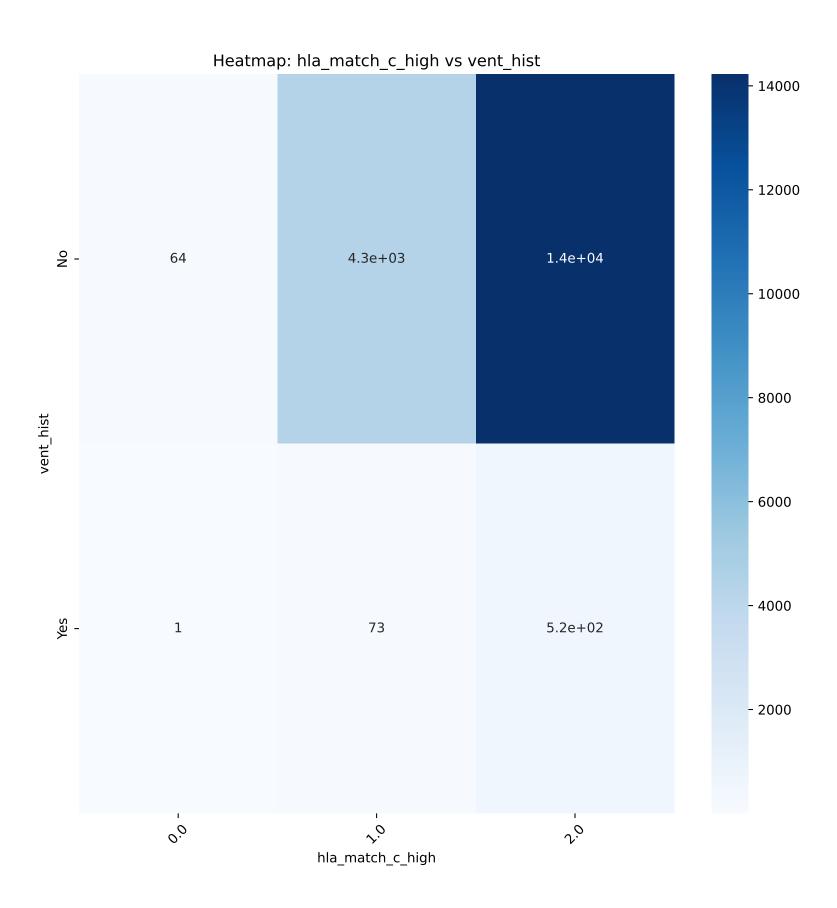




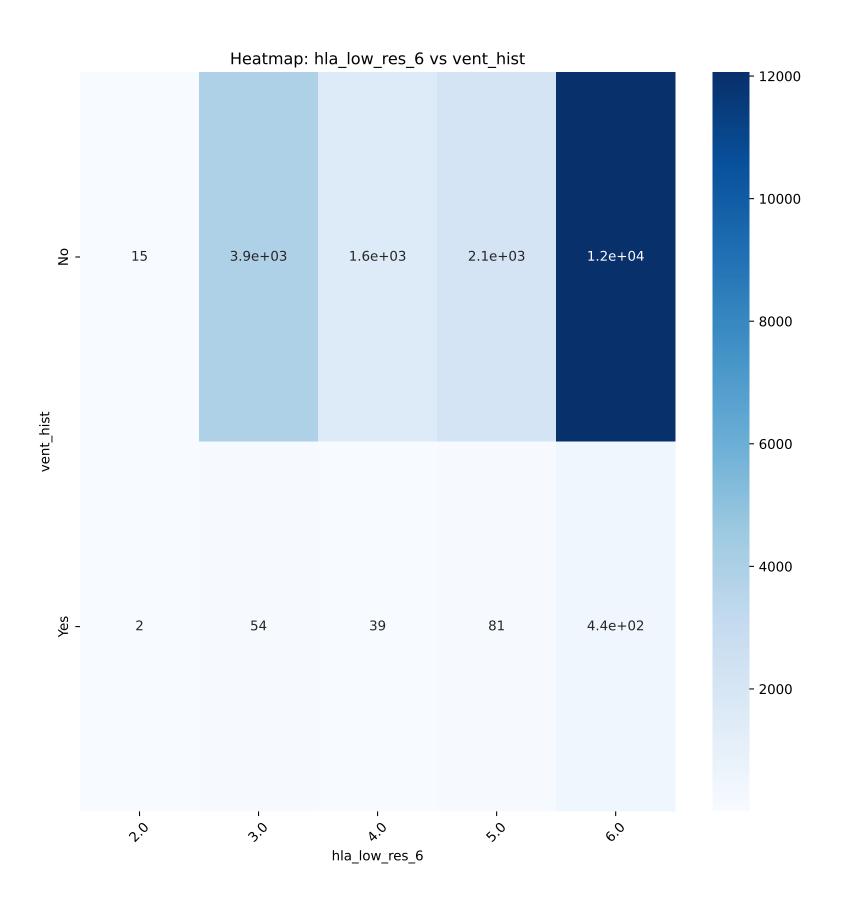


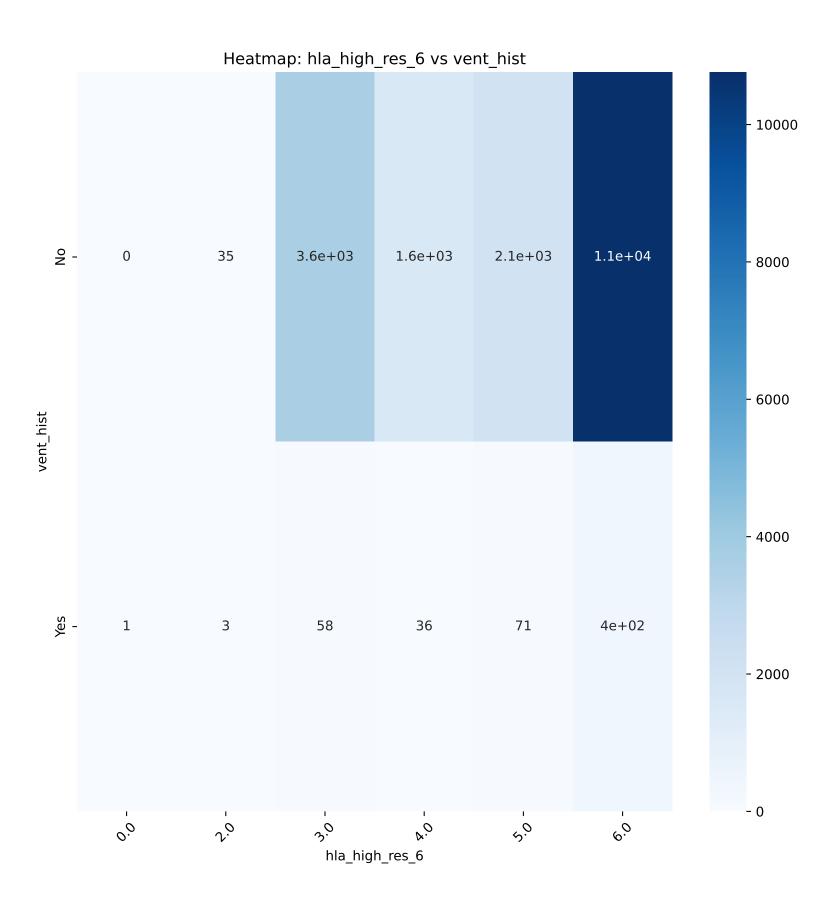




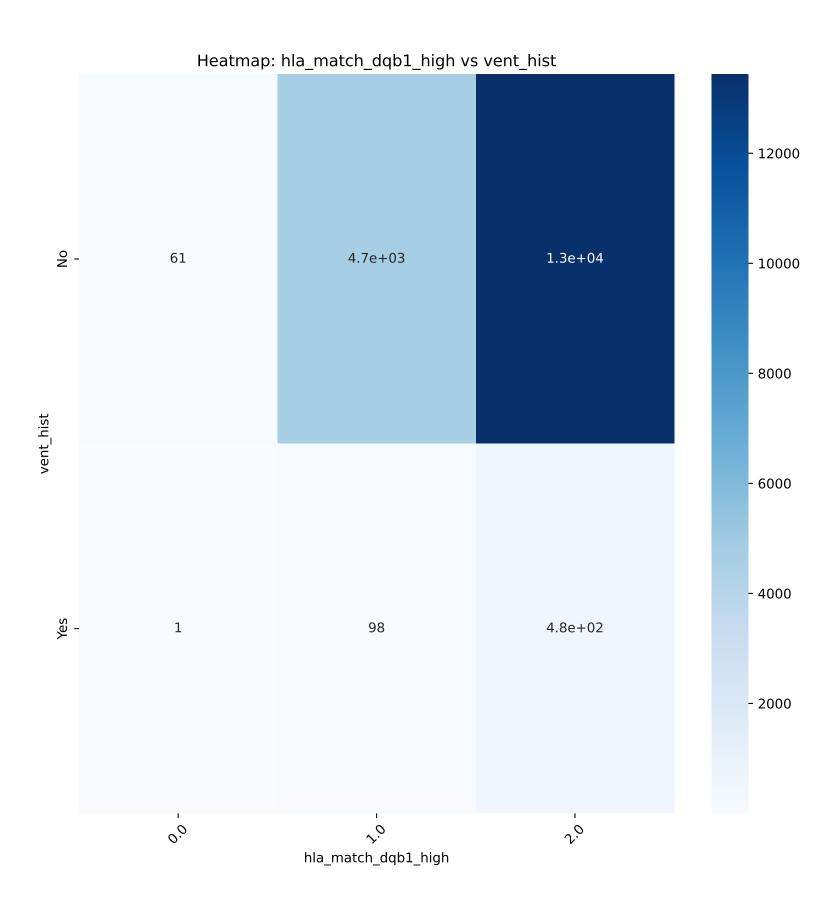


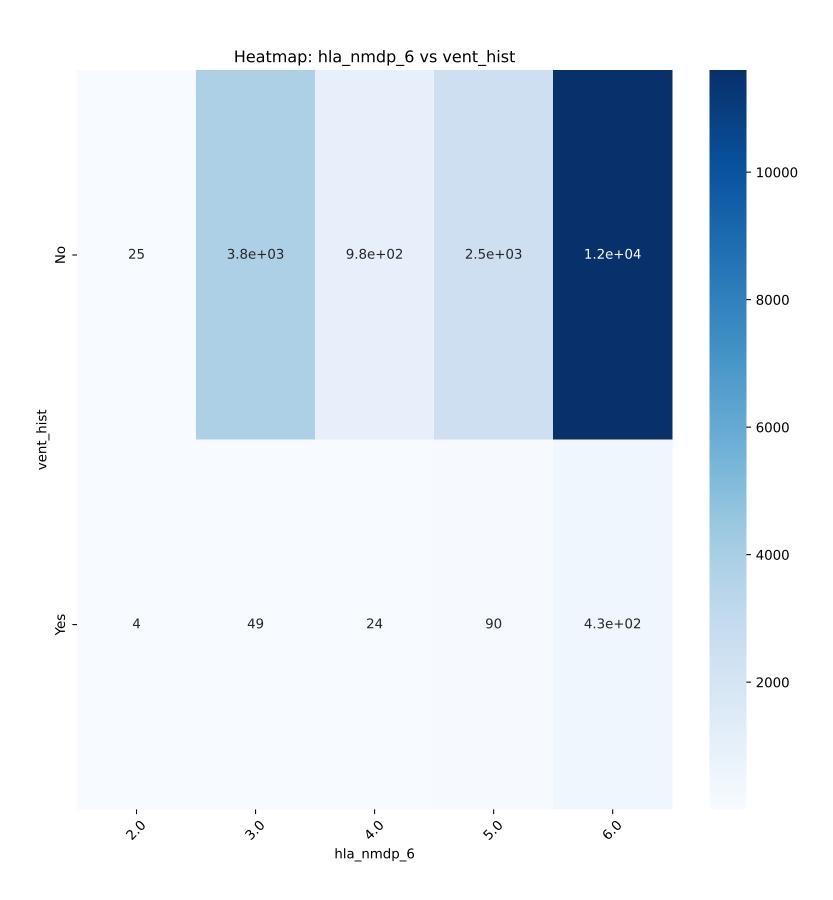
Heatmap: hla\_high\_res\_8 vs vent\_hist - 10000 8000 ₽ -1 25 1e+04 3e+03 1.3e+03 1.1e+03 1.8e+03 6000 vent\_hist - 4000 Yes -1 1 42 32 26 3.9e+02 69 - 2000 6.0 10 Ø. 0 hla\_high\_res\_8

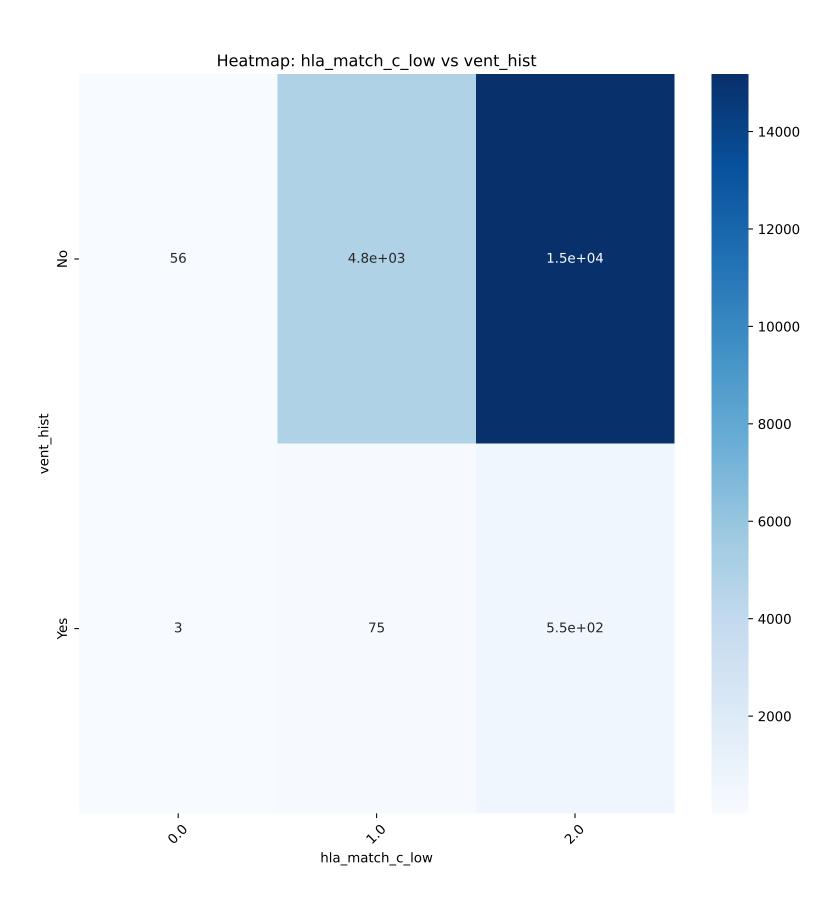


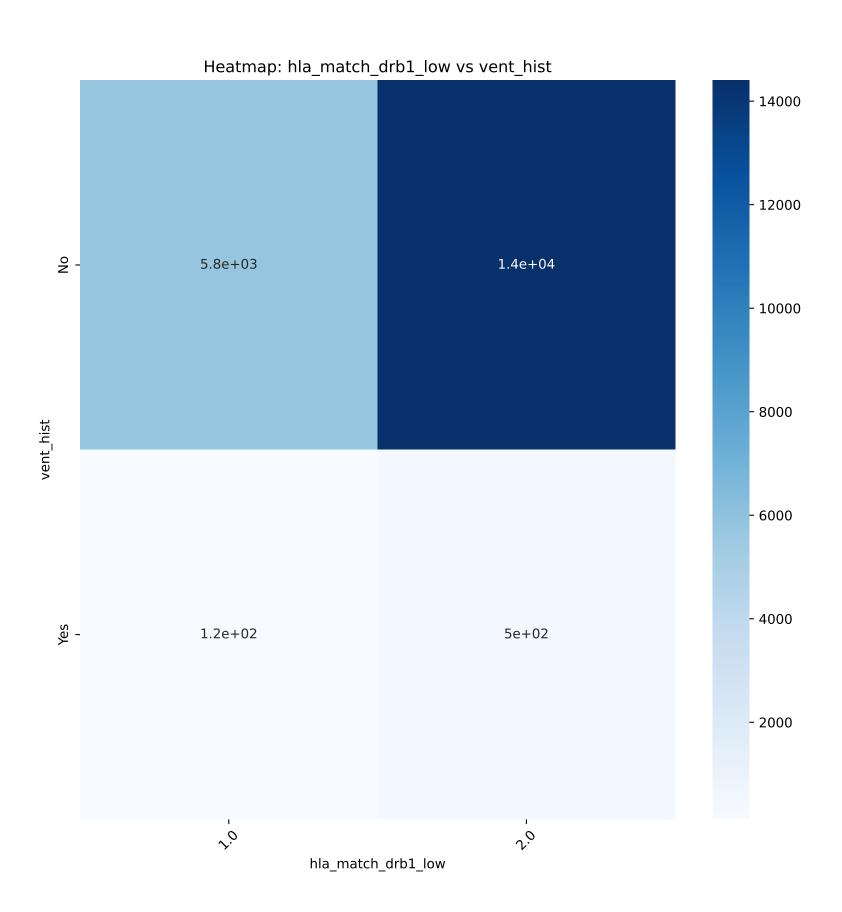


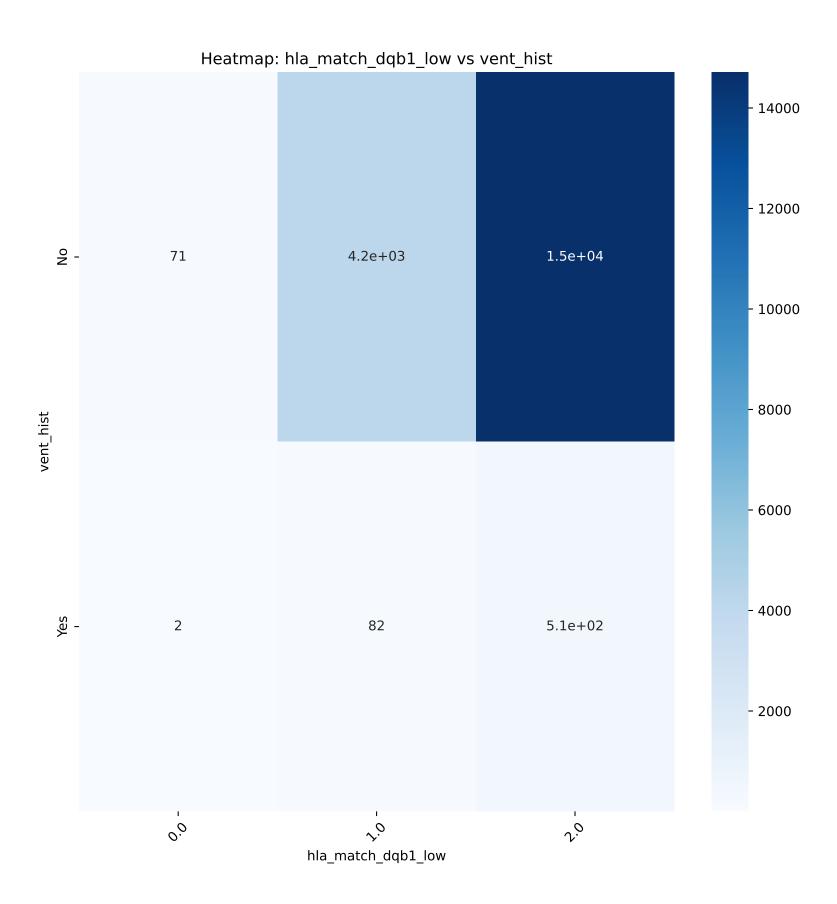
Heatmap: hla\_high\_res\_10 vs vent\_hist - 8000 1 23 2.5e+03 1.1e+03 9.3e+02 9.8e+02 1.8e+03 9.4e+03 6000 vent\_hist - 4000 Yes -0 0 32 25 21 28 3.6e+02 78 - 2000 \$.0 - 0 °. hla\_high\_res\_10

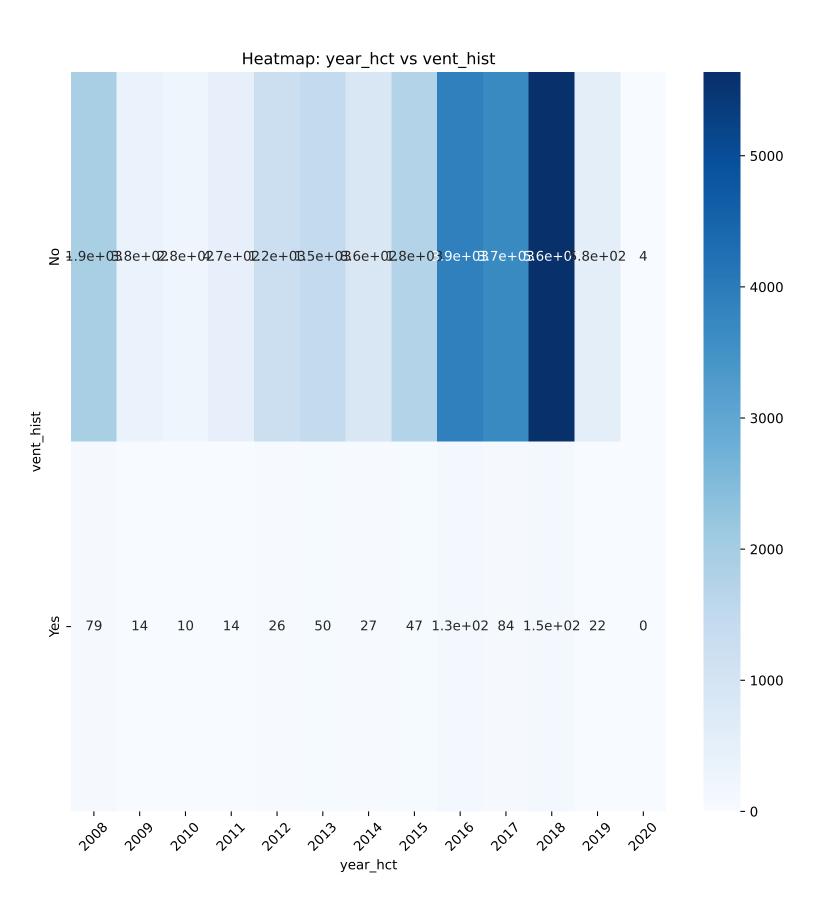


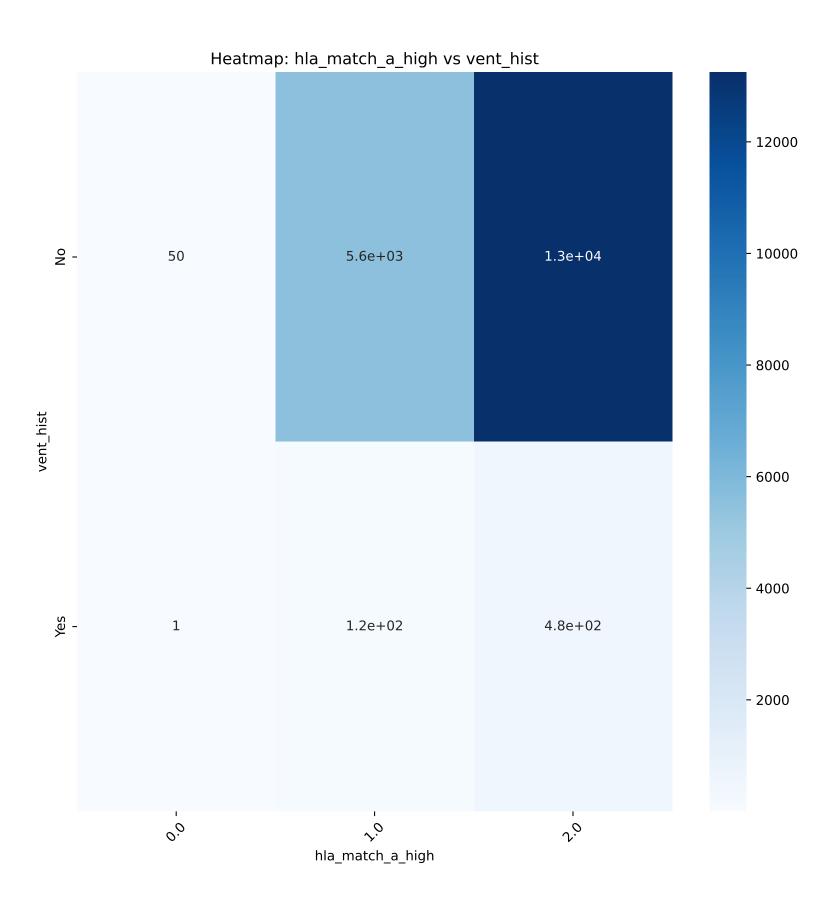


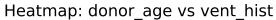


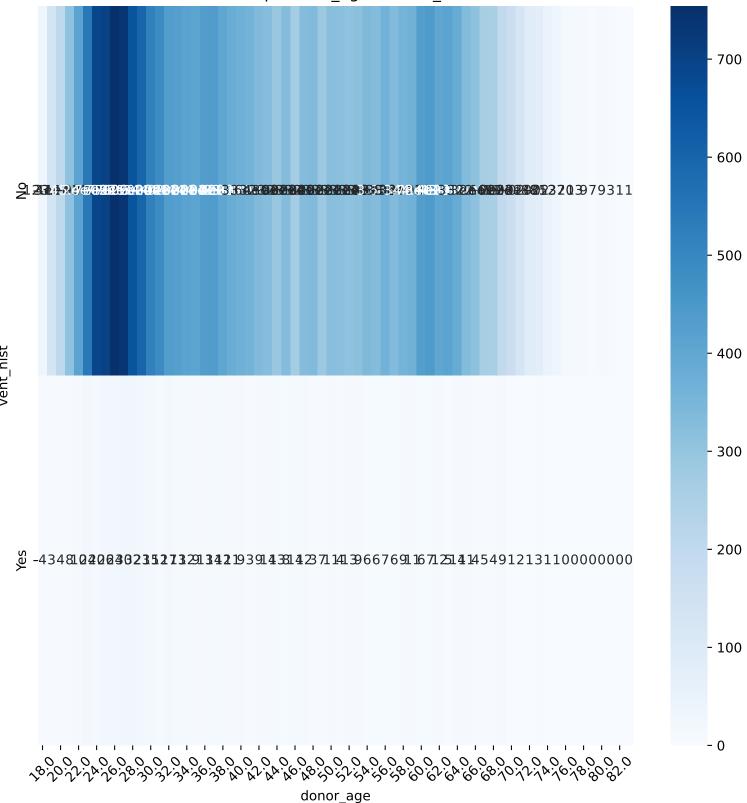


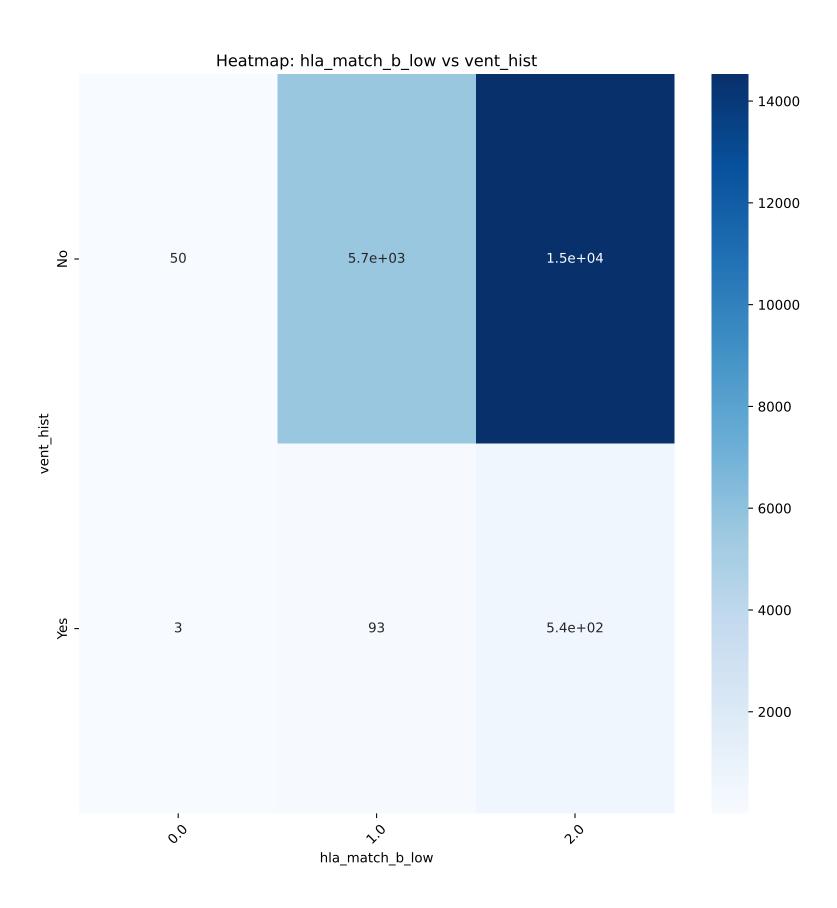


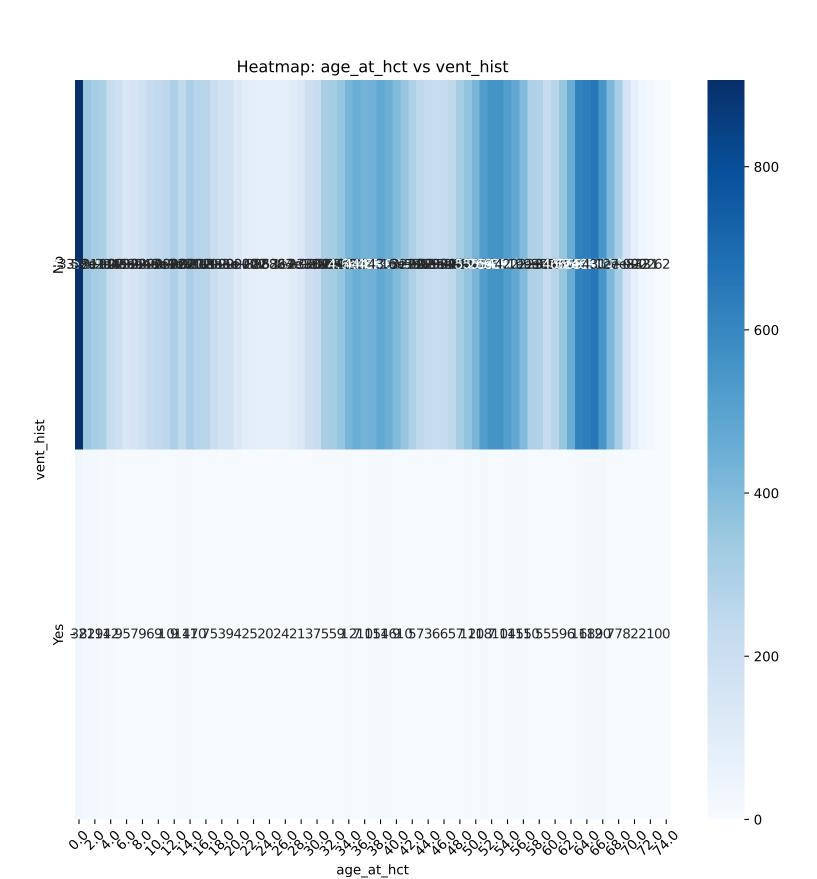


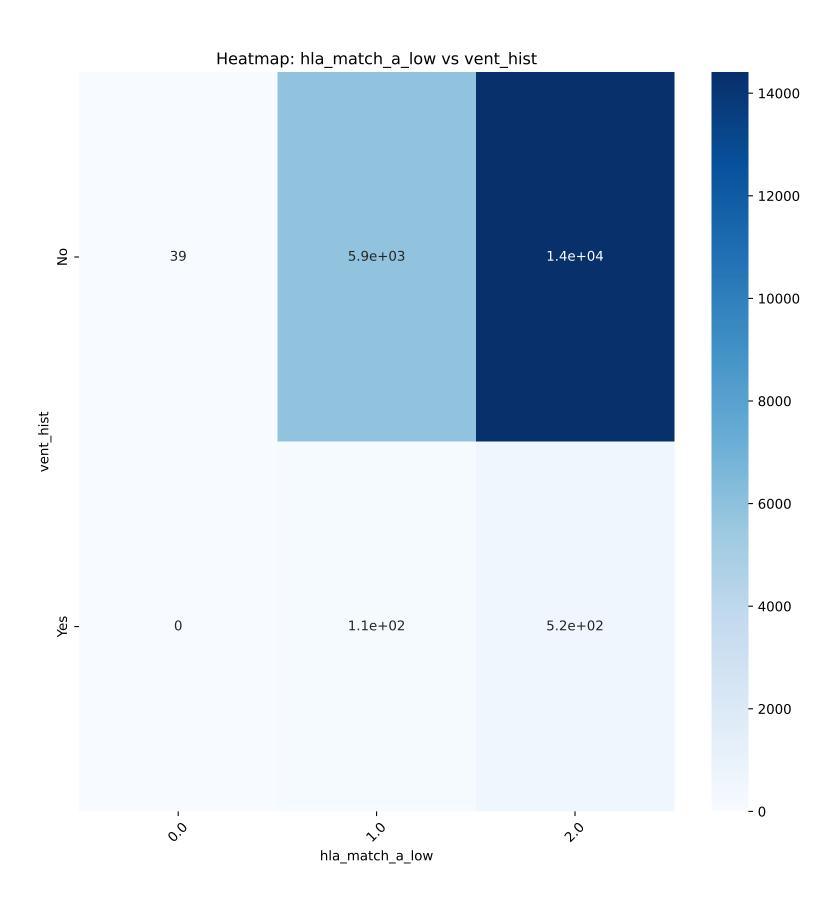


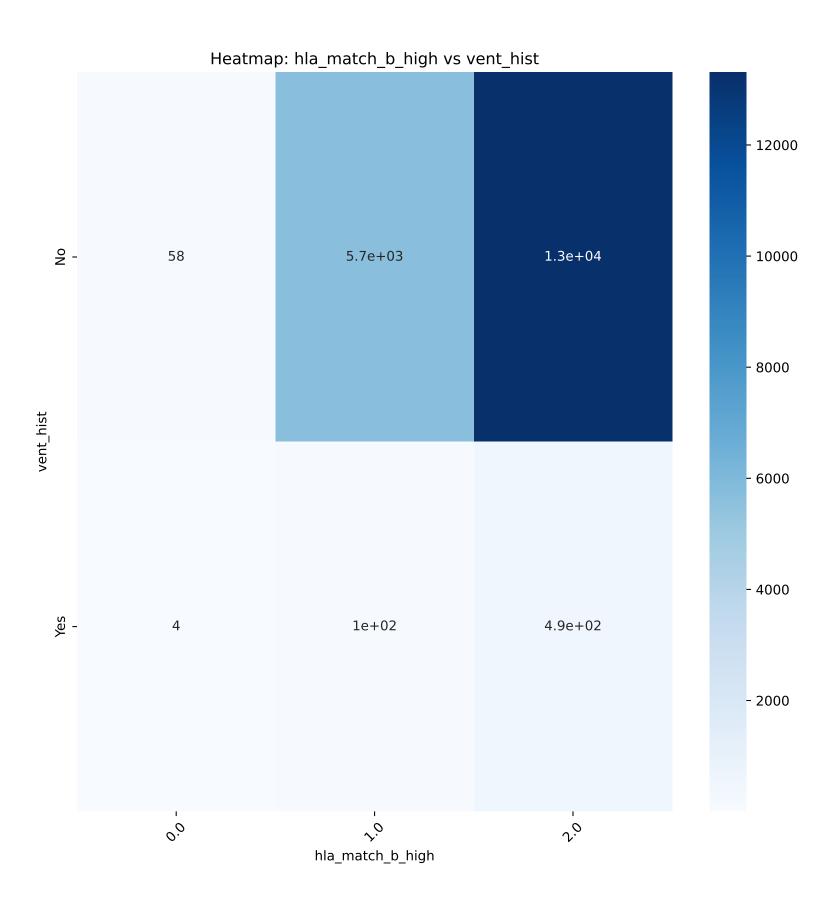


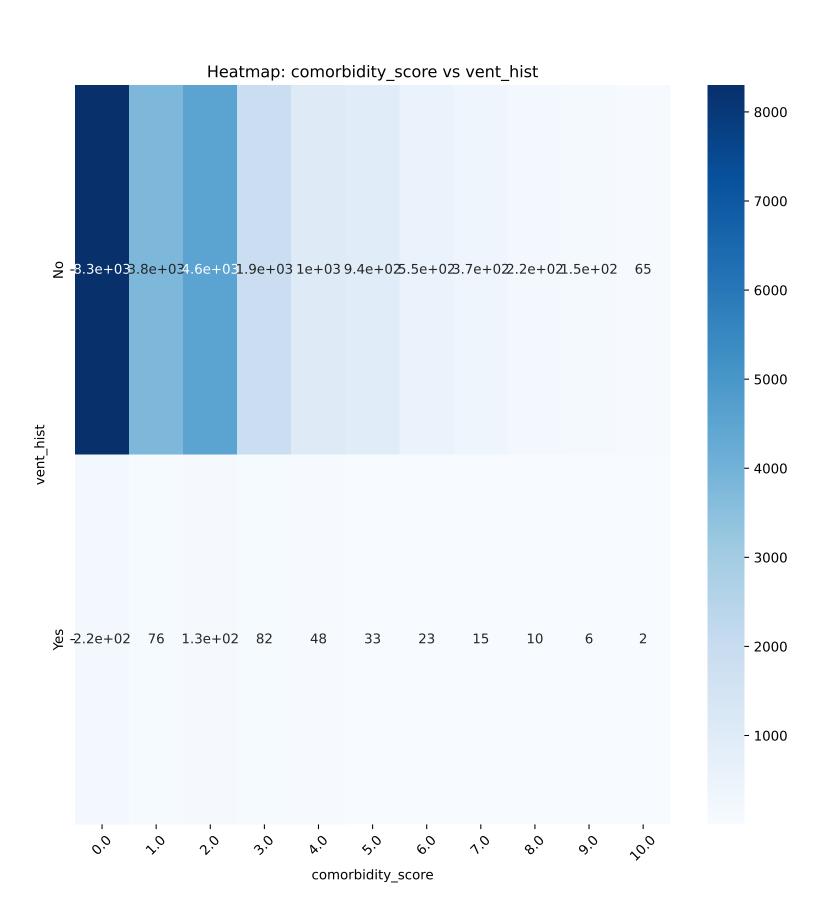


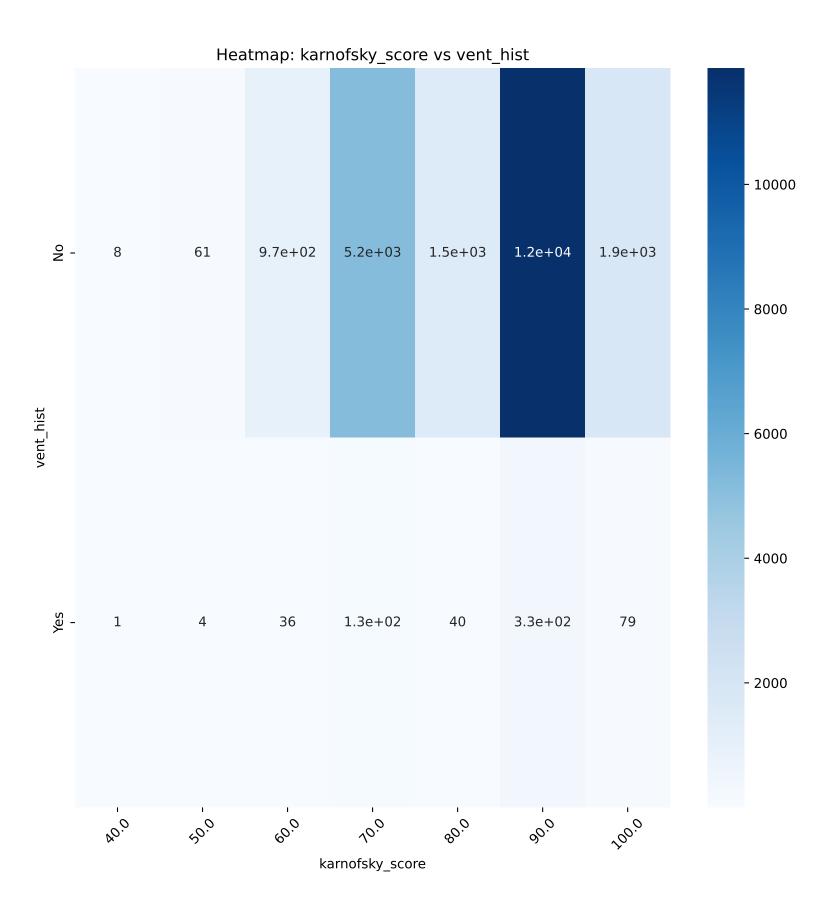






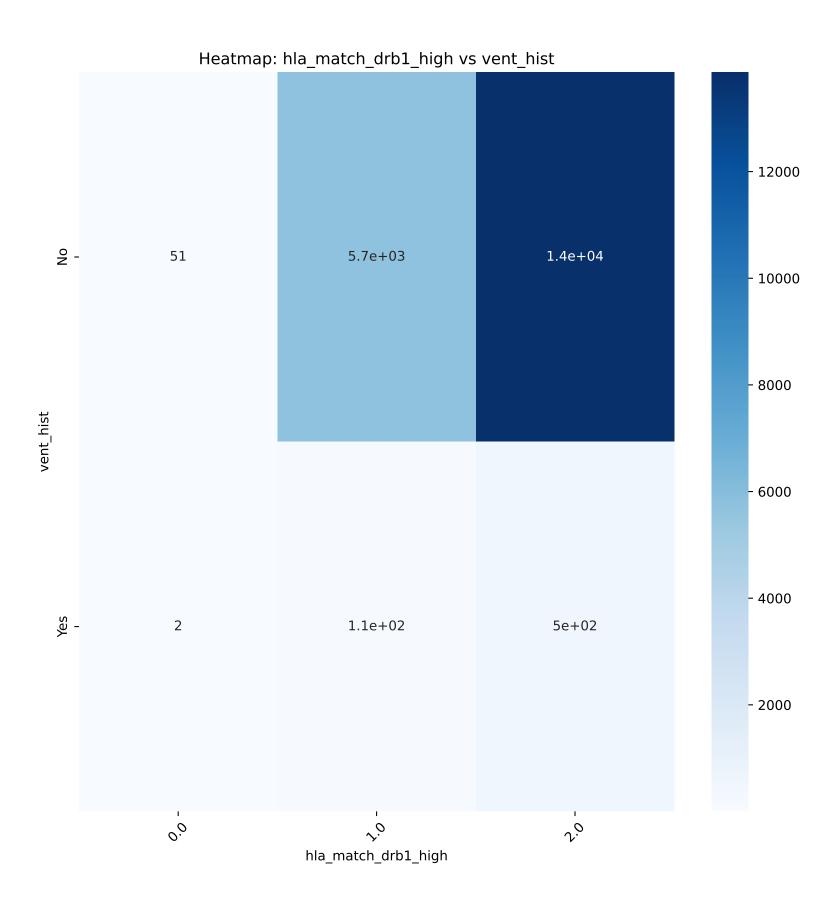






Heatmap: hla\_low\_res\_8 vs vent\_hist - 10000 ₽ -1 15 1.2e+04 3.4e+03 1.2e+03 1.1e+03 2e+03 - 8000 vent\_hist - 6000 - 4000 Yes -0 1 41 32 30 81 4.3e+02 - 2000 - 0 %. 'O 10 Ø. .

hla\_low\_res\_8



Heatmap: hla\_low\_res\_10 vs vent\_hist - 10000 8000 ₽ -22 2.5e+03 1.3e+03 1.1e+04 8.9e+02 1.1e+03 1.9e+03 6000 vent\_hist - 4000 Yes -2 22 34 23 31 78 4e+02 - 2000

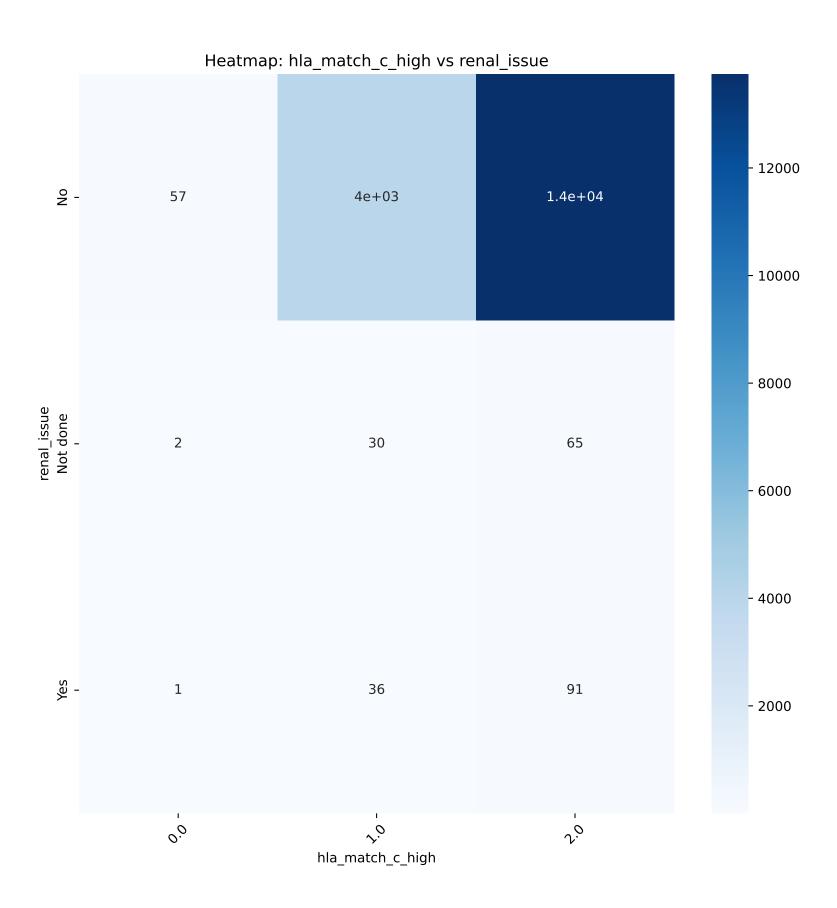
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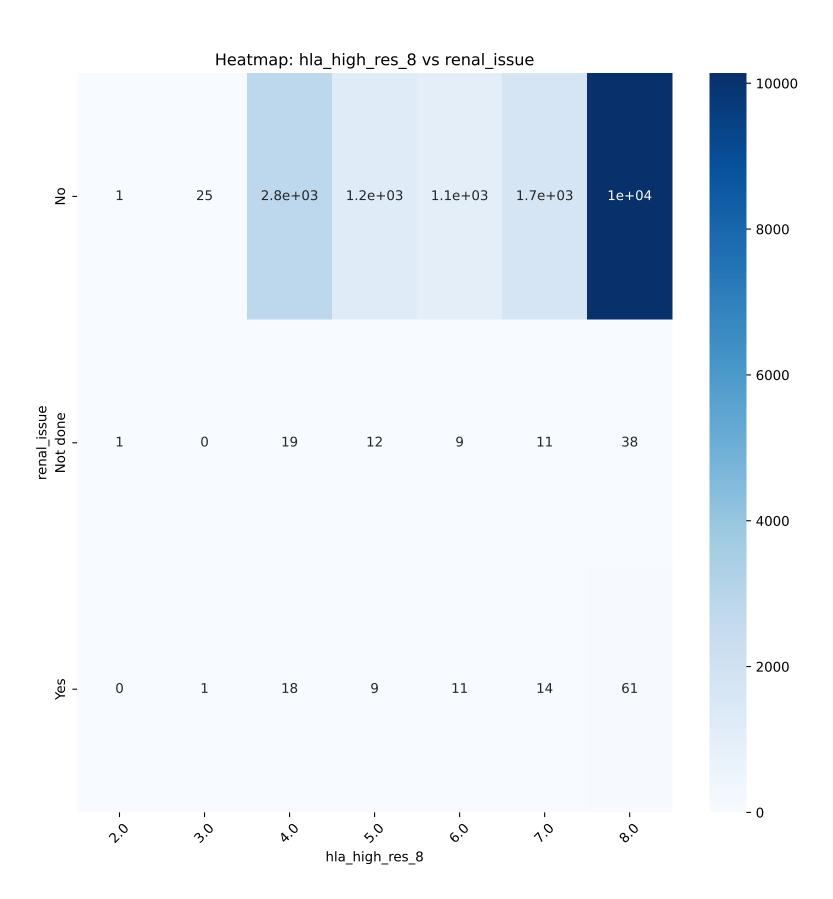
hla\_low\_res\_10

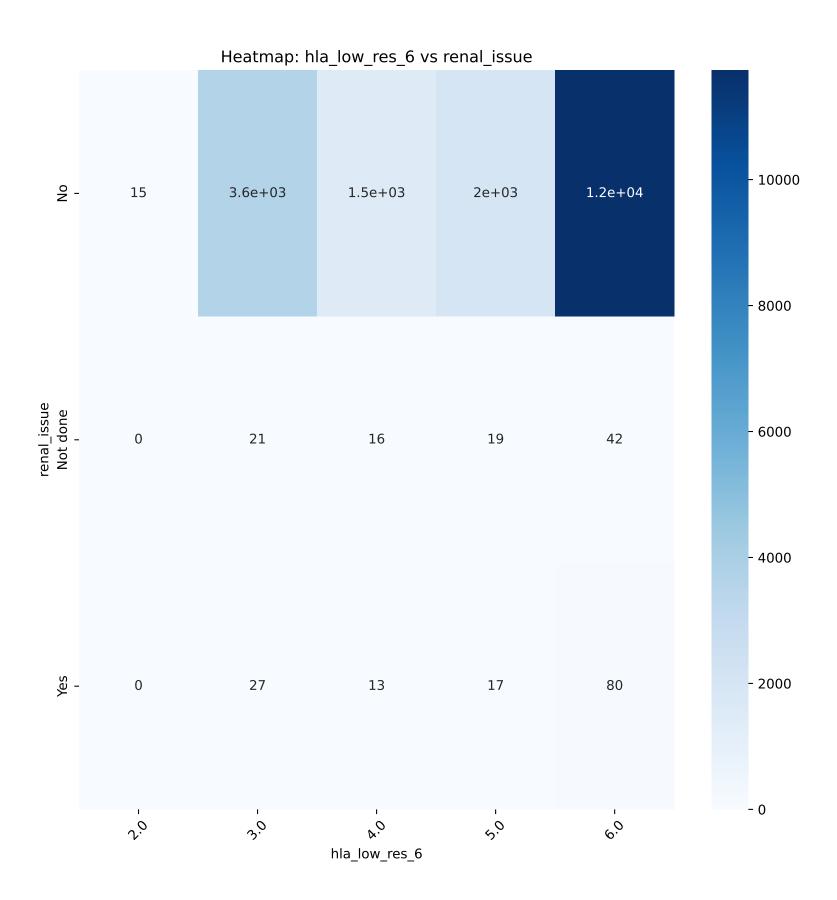
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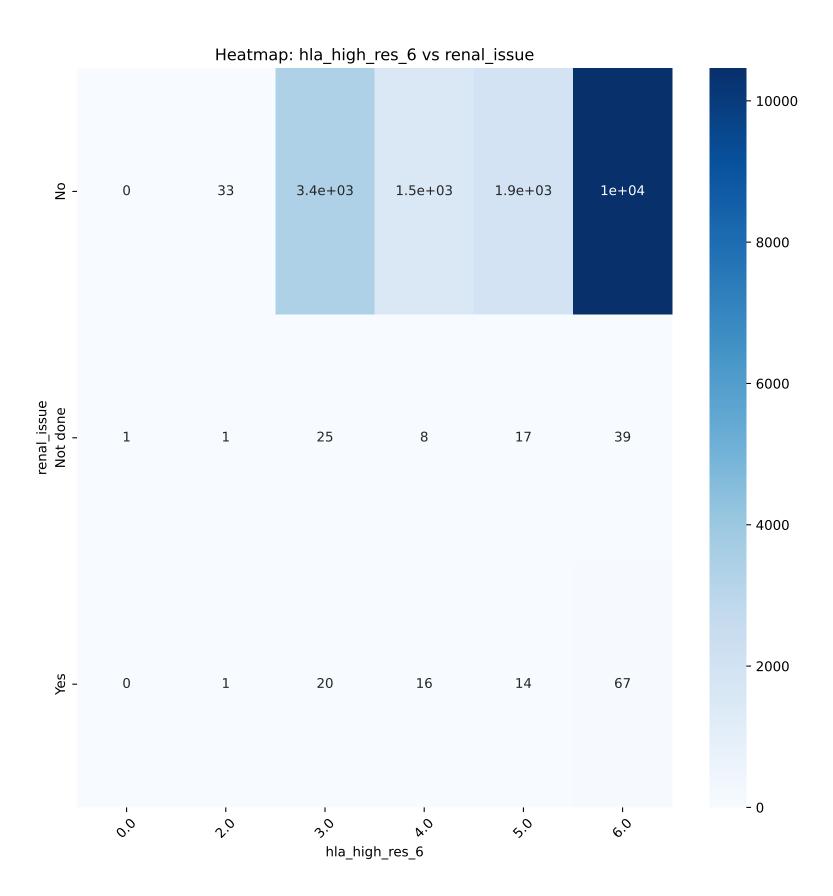
90

80









Heatmap: hla\_high\_res\_10 vs renal\_issue - 8000 ဍိ -1 19 2.3e+03 9.9e+02 8.6e+02 9.1e+02 1.7e+03 9.2e+03 6000 renal\_issue Not done ' 0 15 6 11 7 30 0 11 - 4000 - 2000 Yes -1 17 2 8 14 14 53

8.0

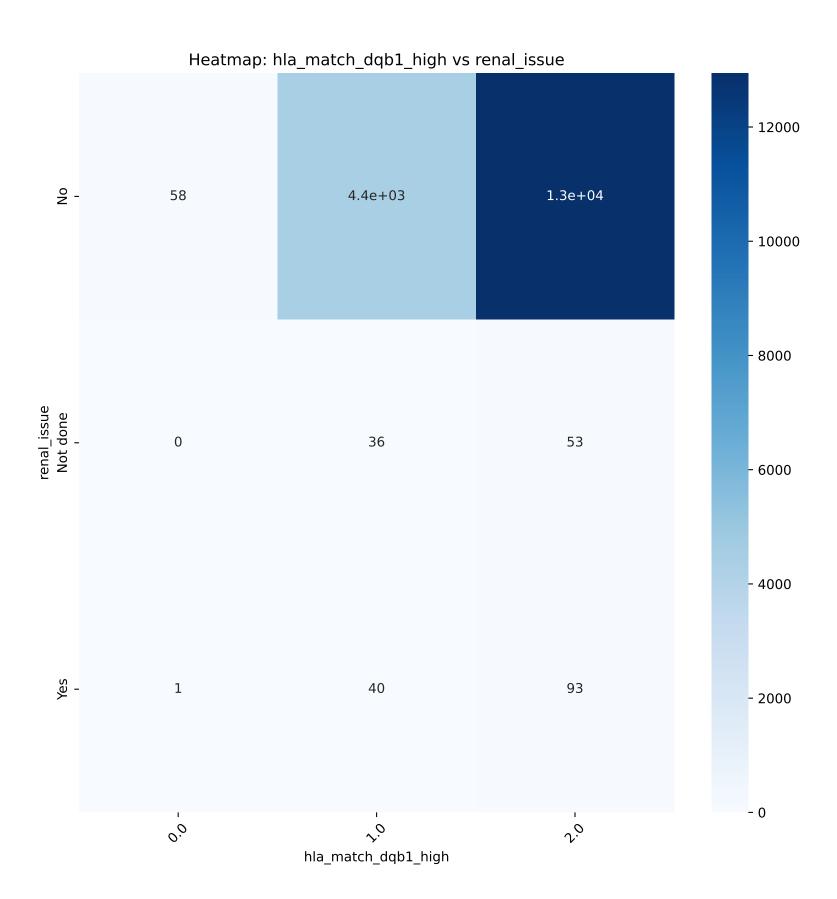
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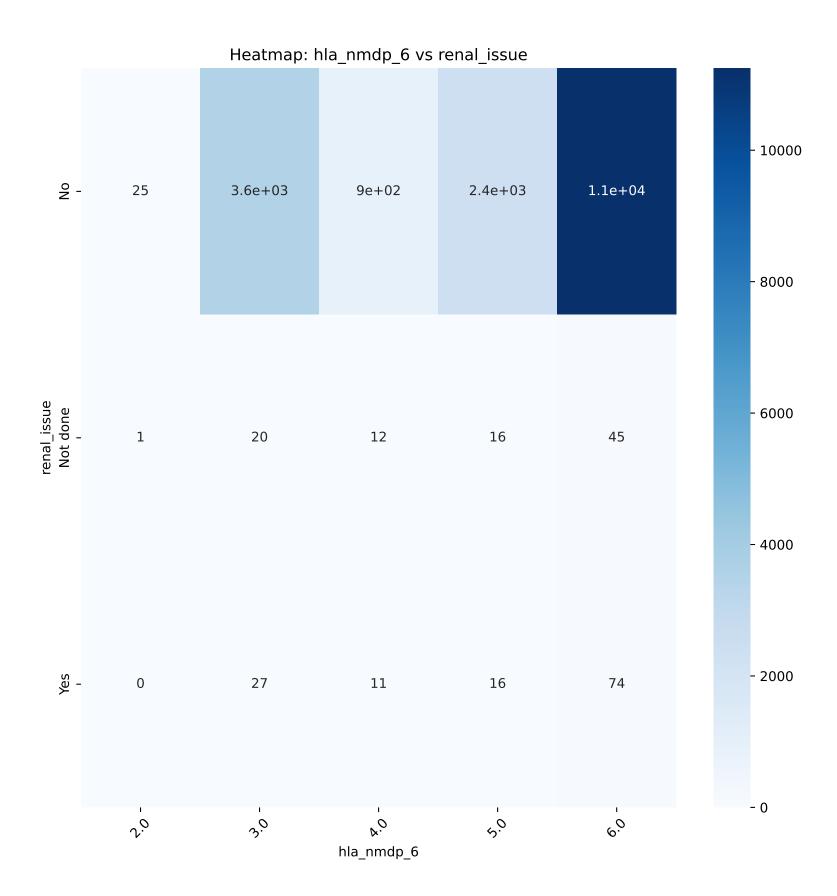
hla\_high\_res\_10

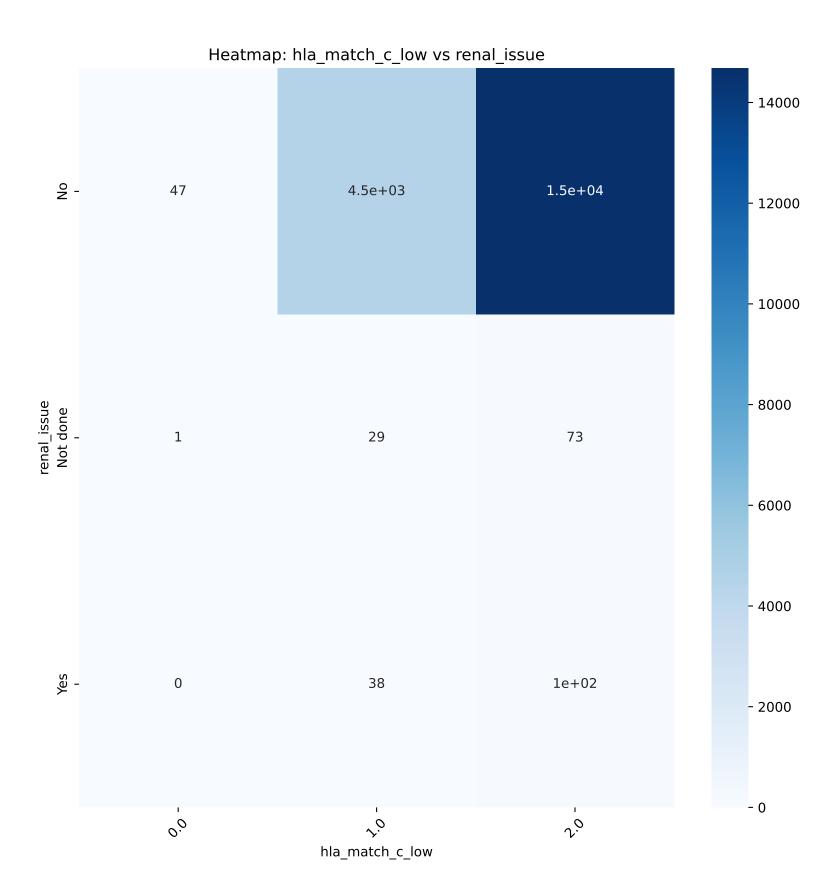
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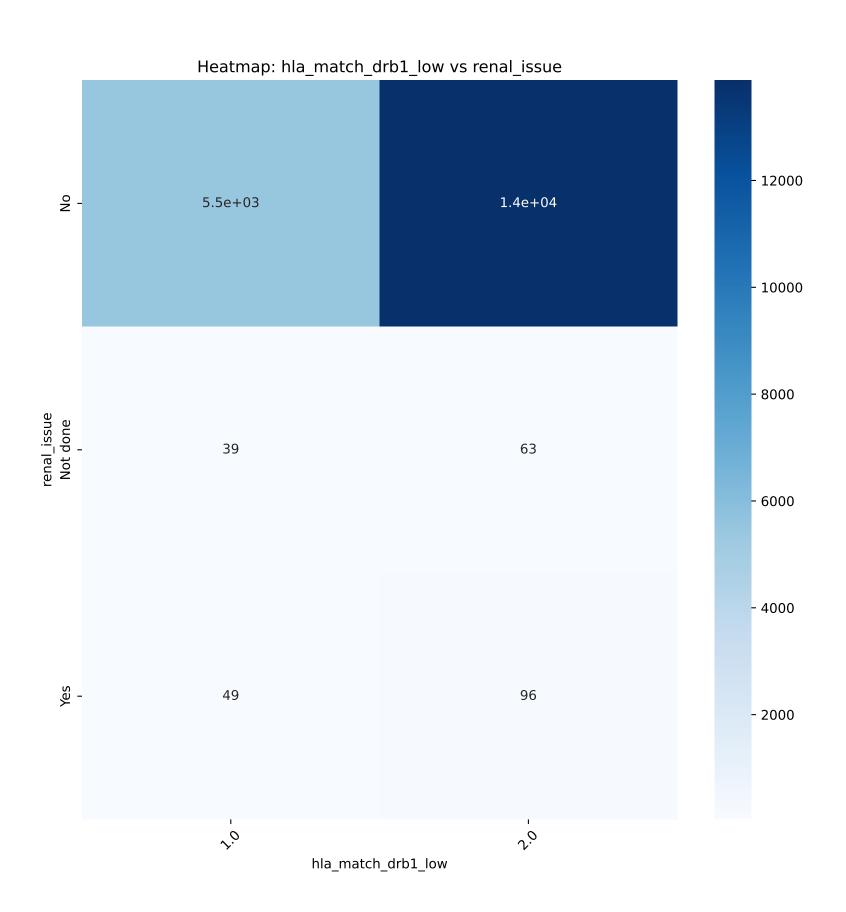
- 0

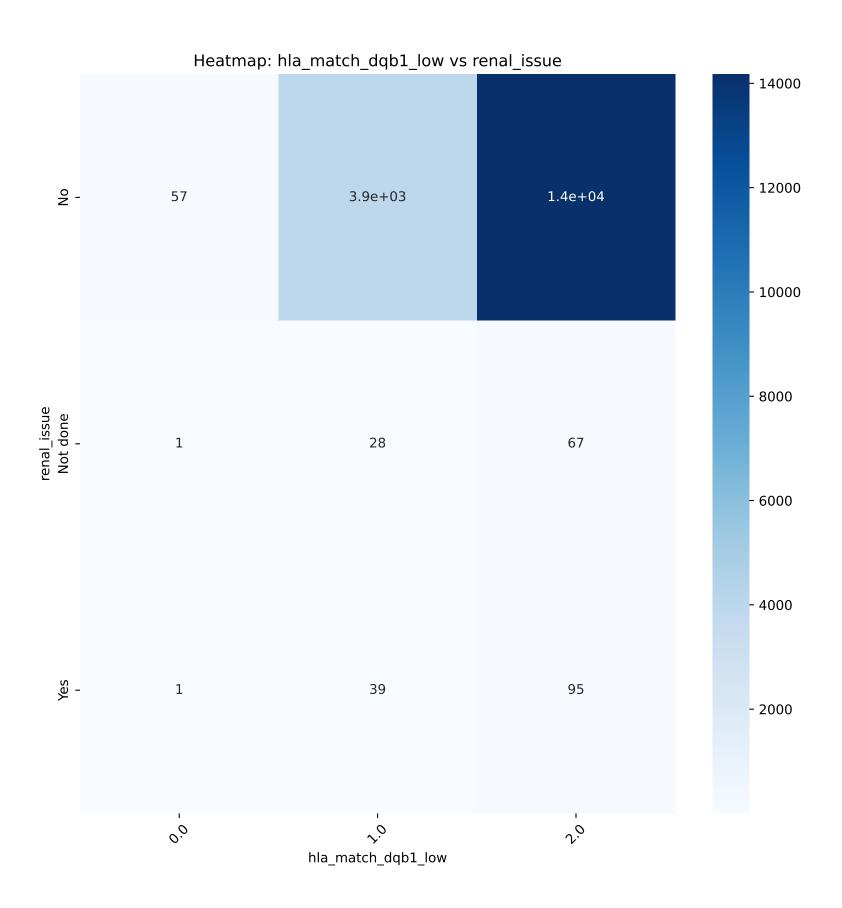
\$0.

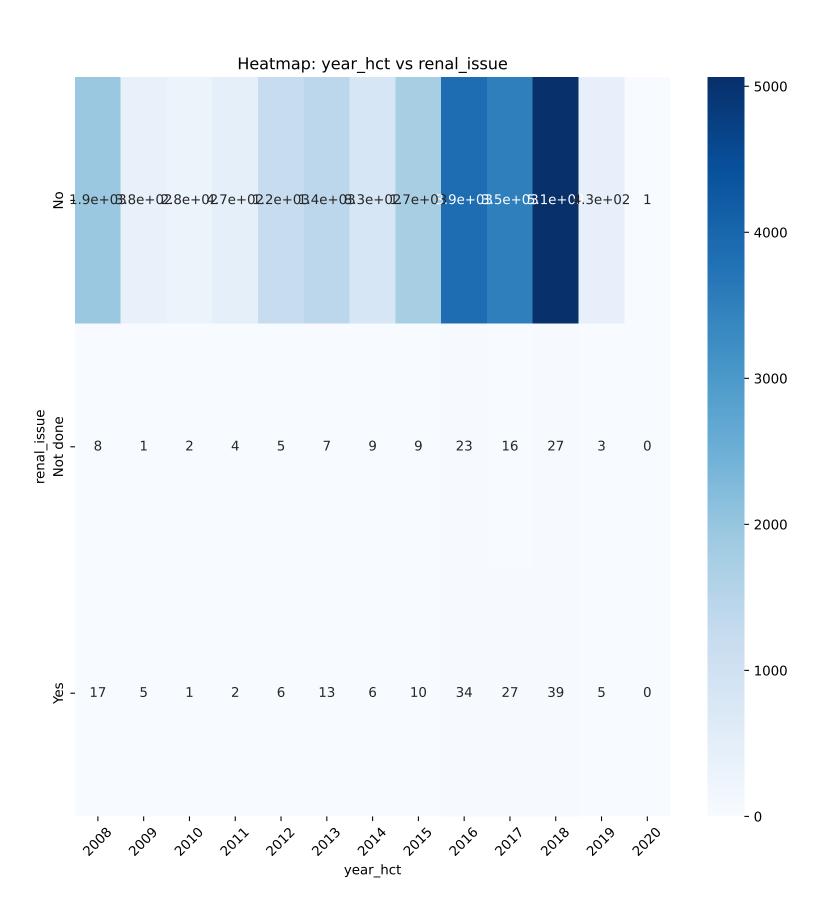


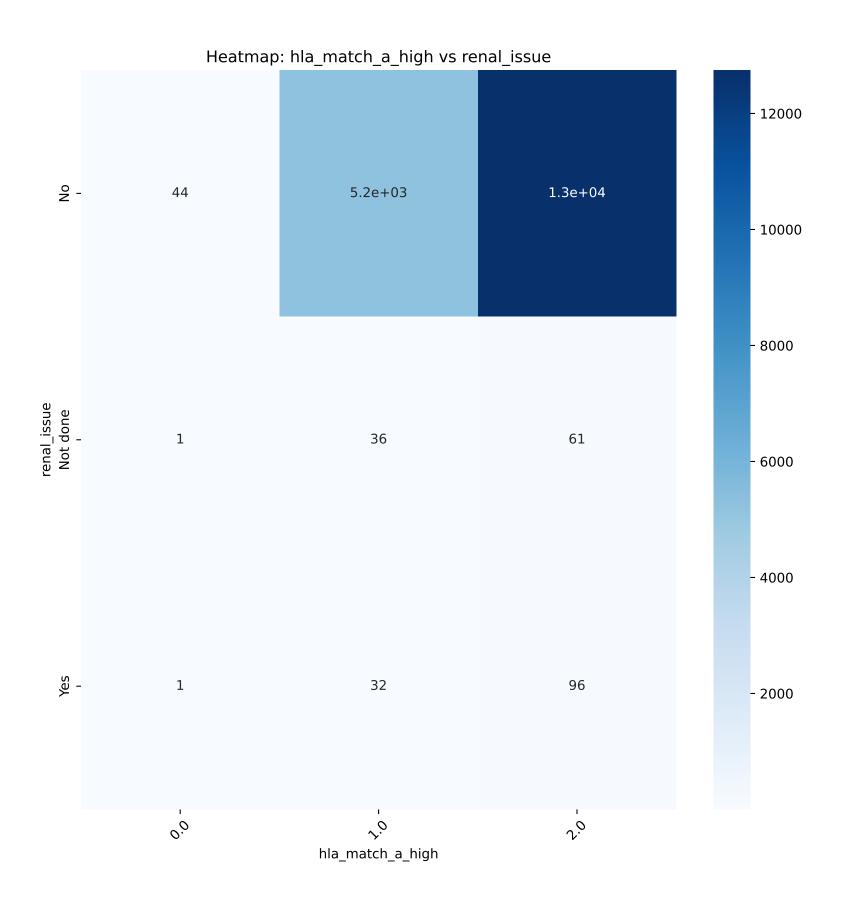


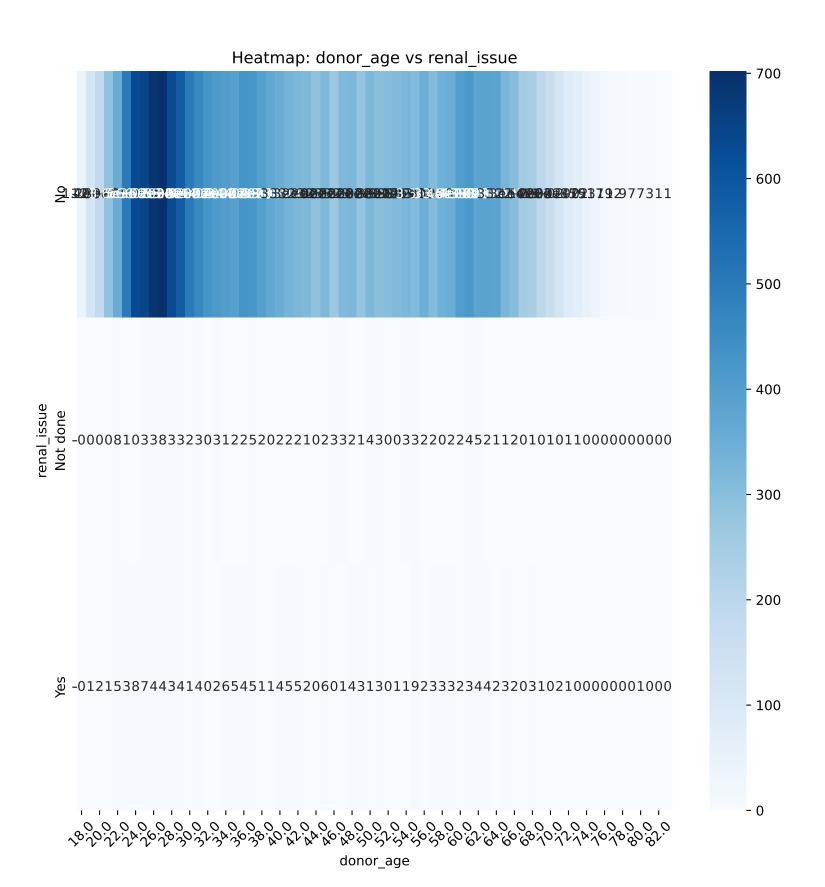


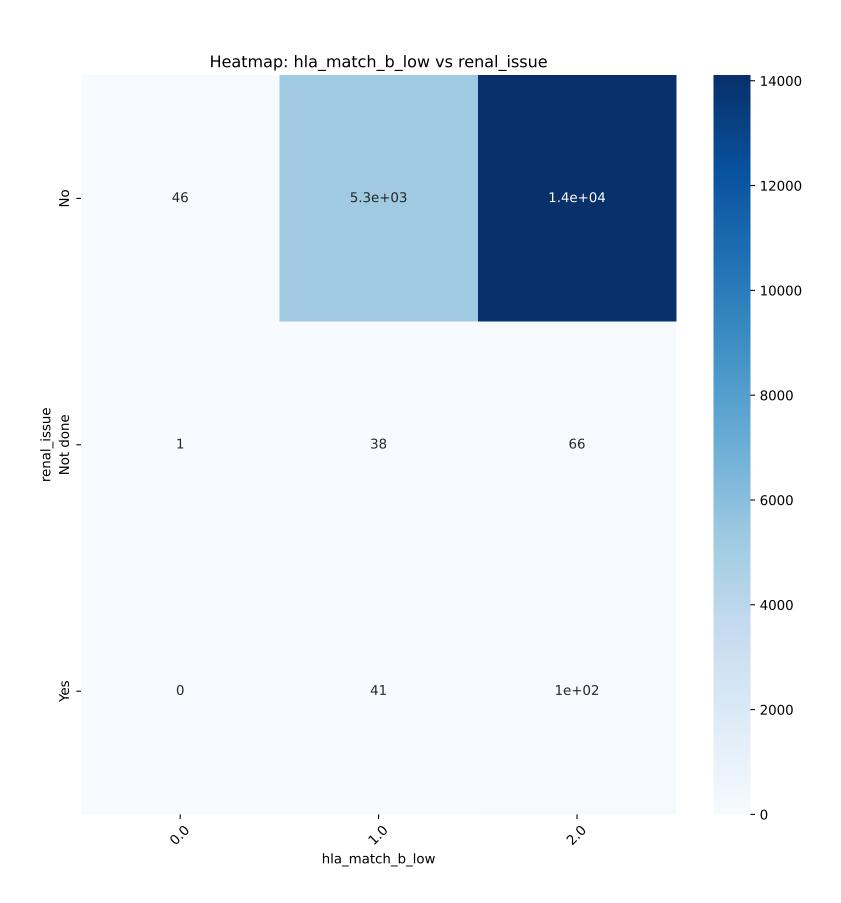


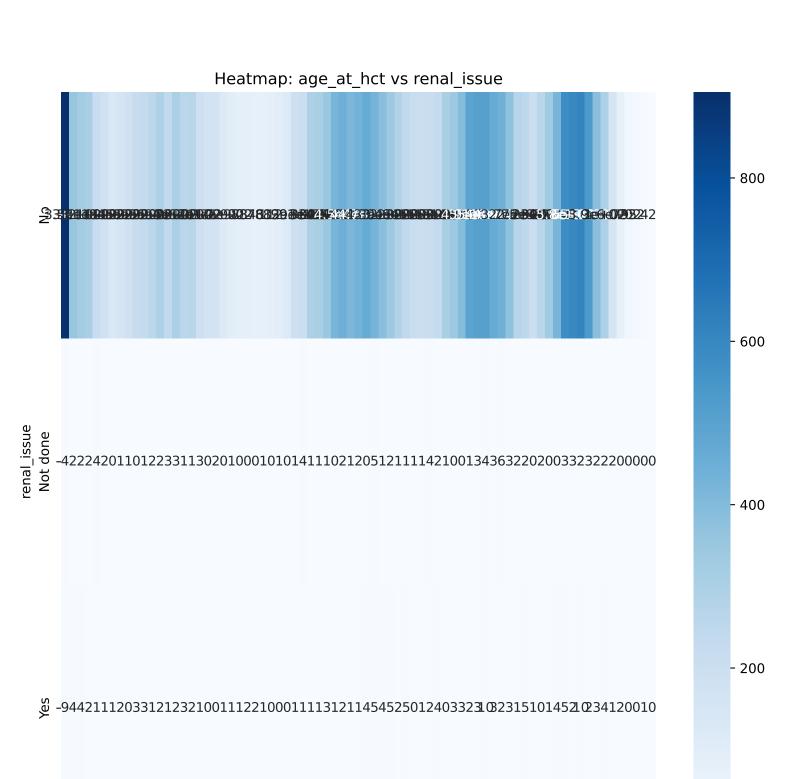




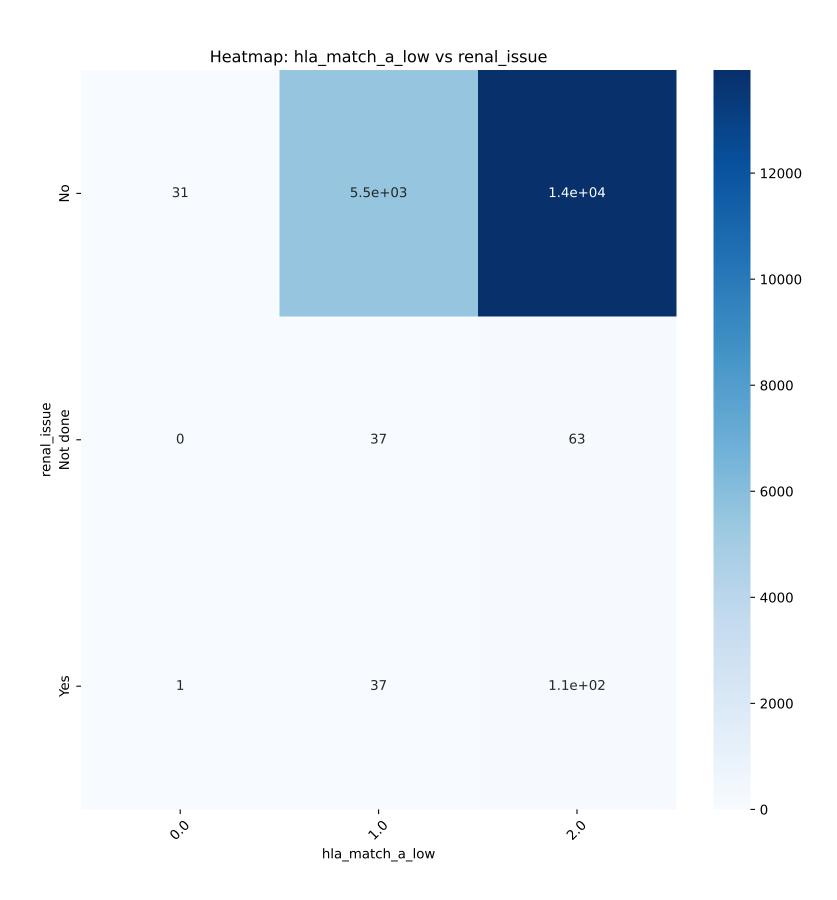


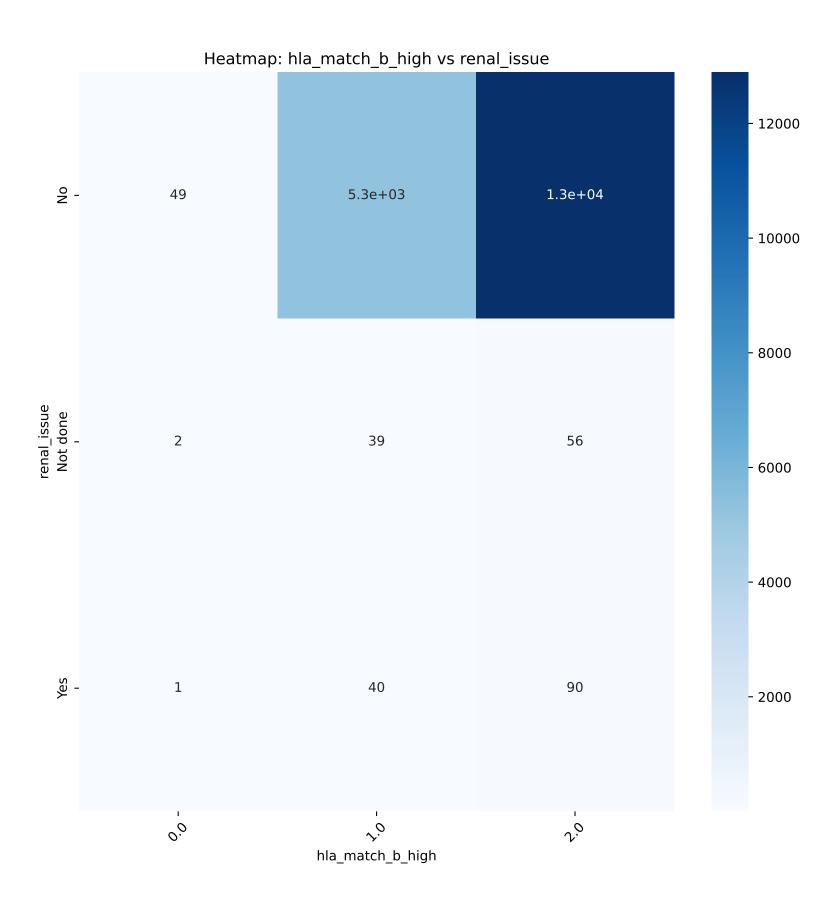


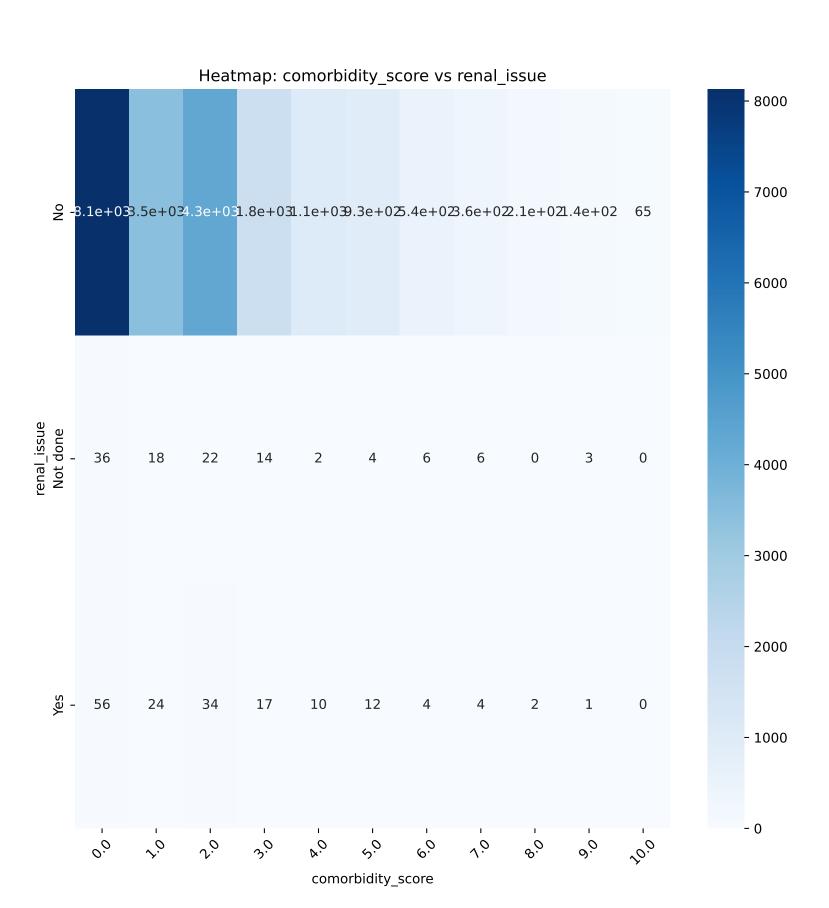




- 0



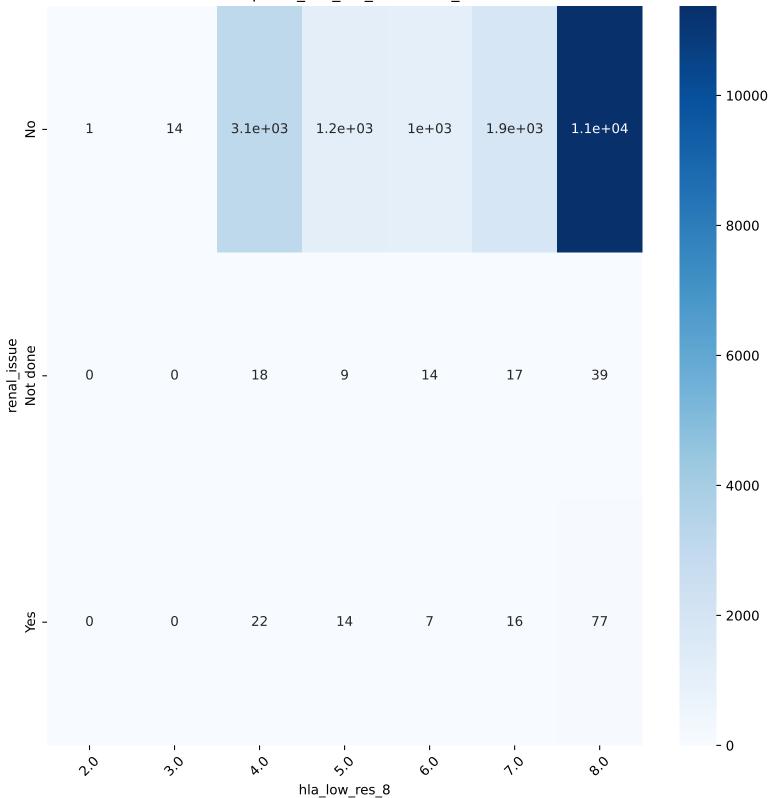


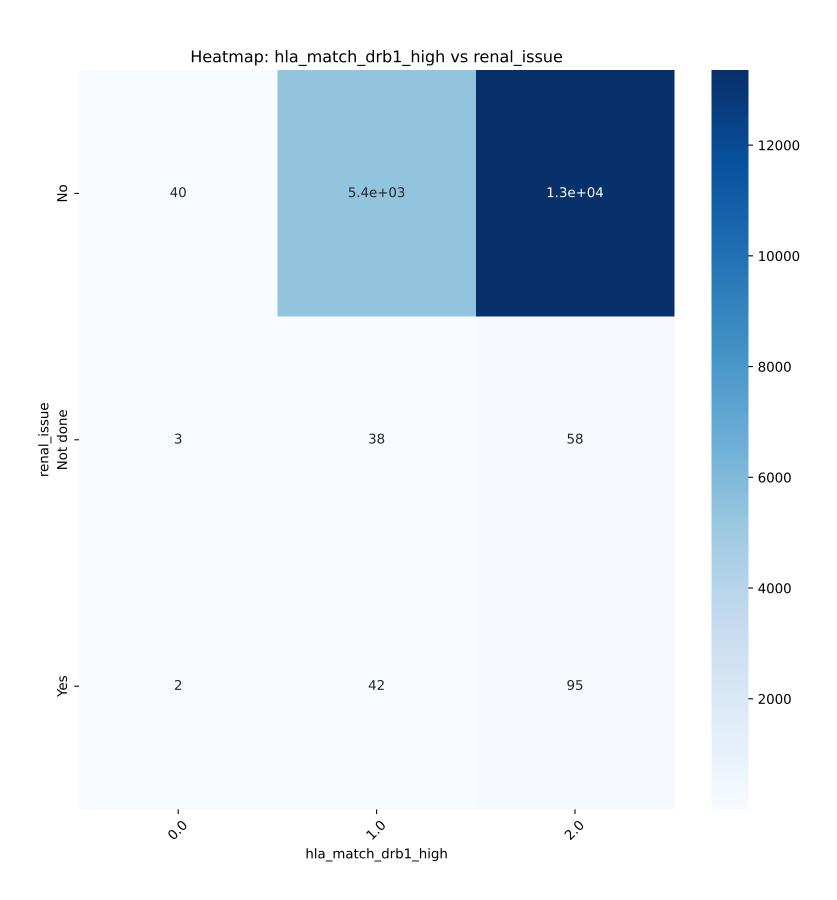


Heatmap: karnofsky\_score vs renal\_issue - 10000 ဍိ -4.9e+03 1.1e+04 8 61 9.3e+02 1.4e+03 1.8e+03 8000 renal\_issue Not done ' 6000 0 7 19 8 0 10 64 - 4000 Yes -- 2000 0 0 6 36 85 13 17 - 0 10,0

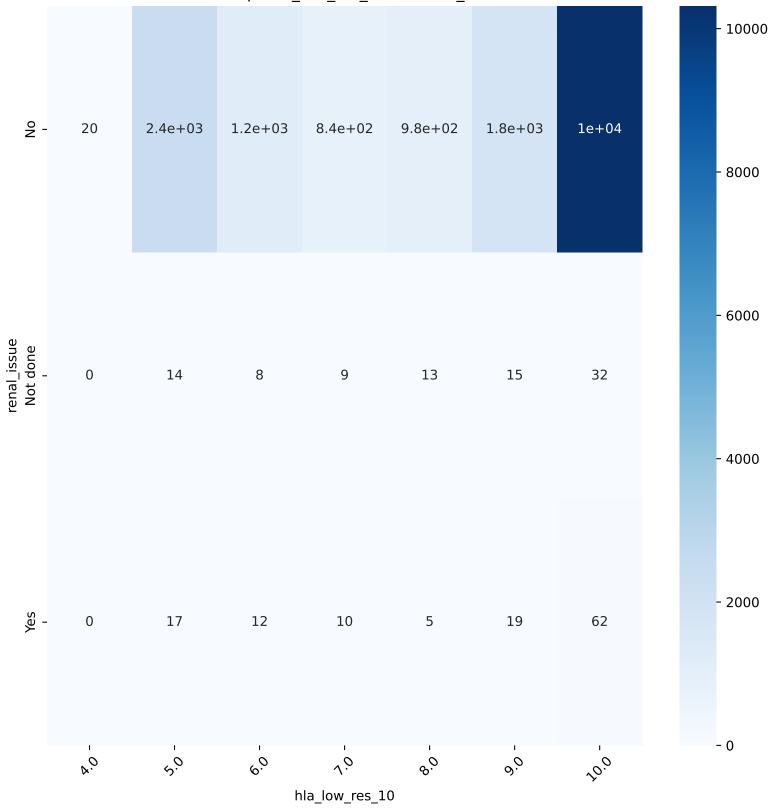
karnofsky\_score

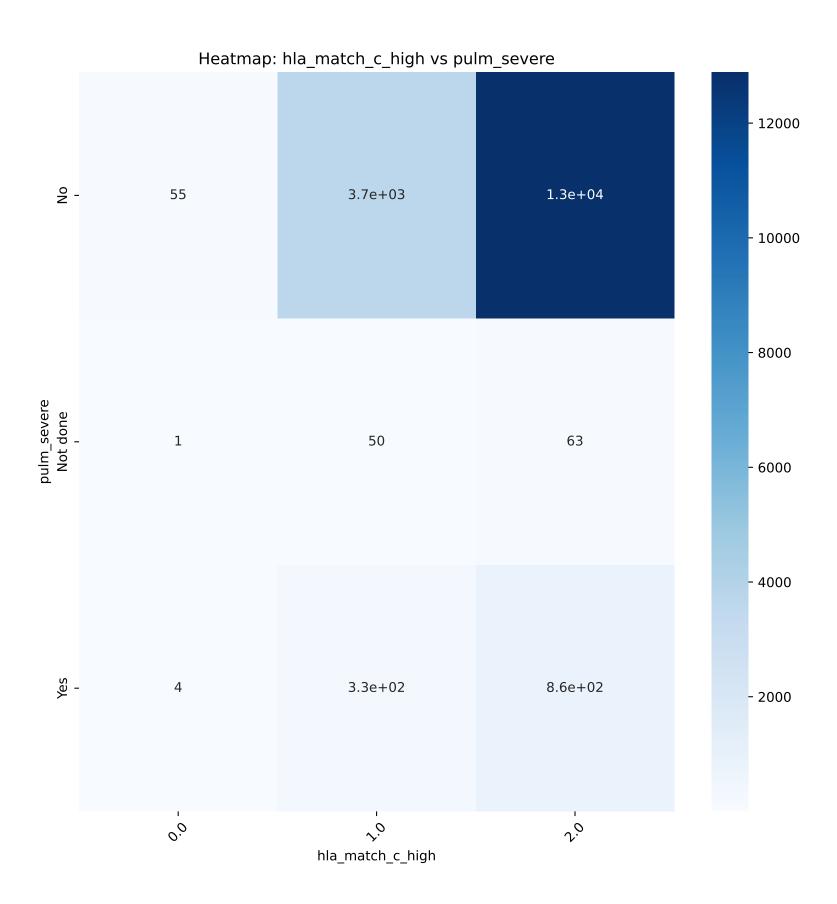
Heatmap: hla\_low\_res\_8 vs renal\_issue





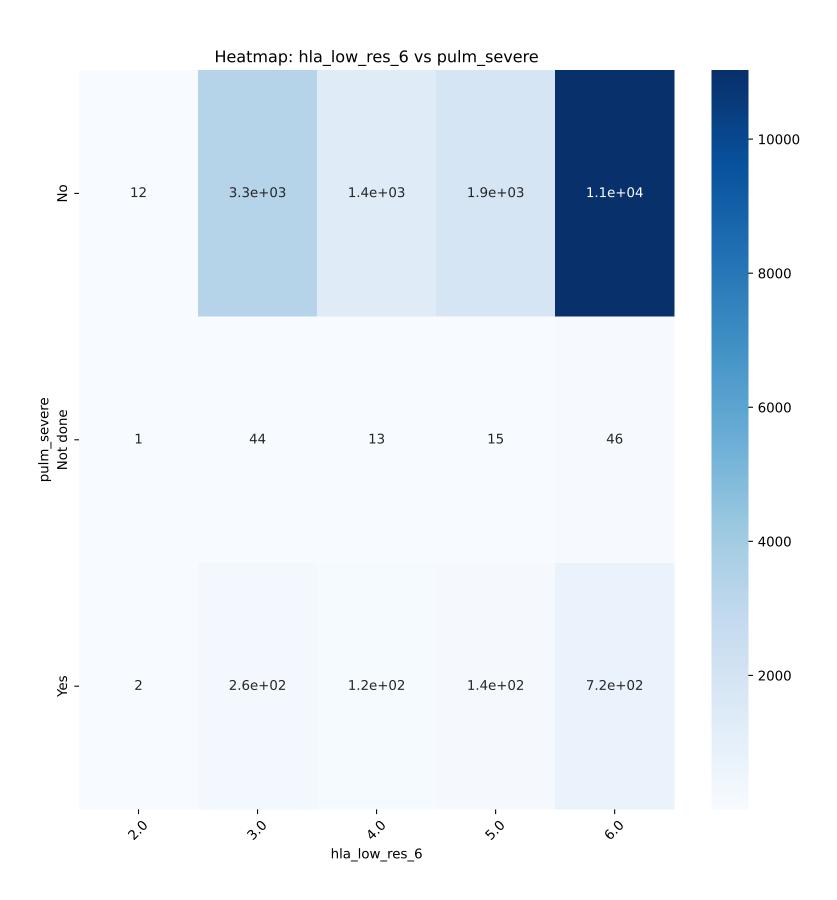
Heatmap: hla\_low\_res\_10 vs renal\_issue

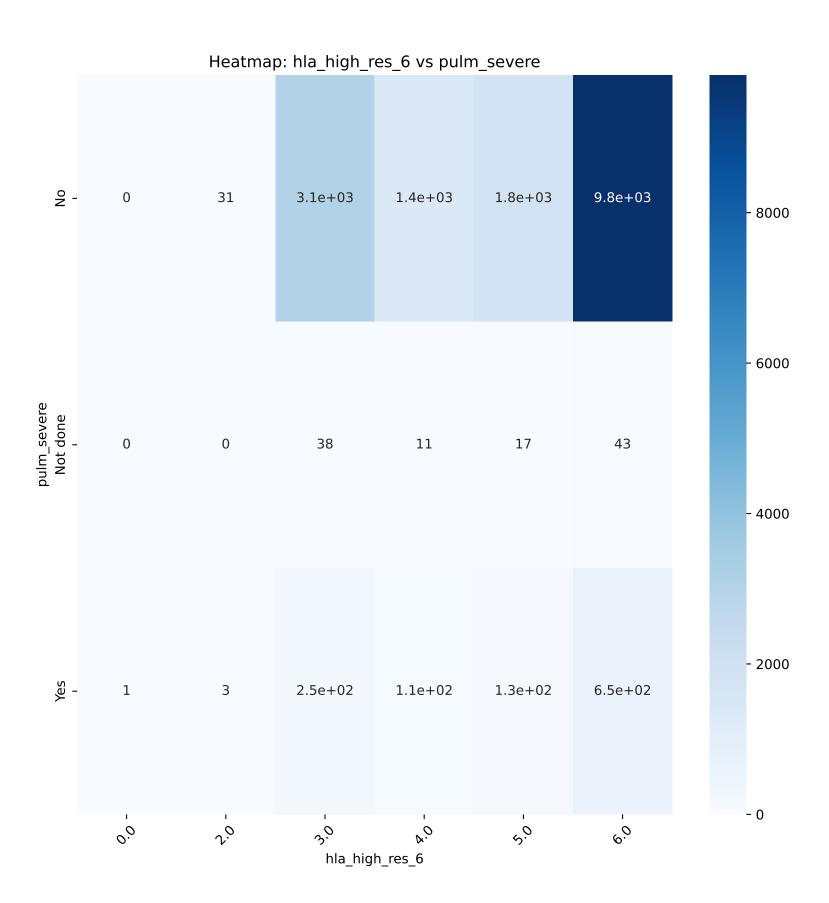




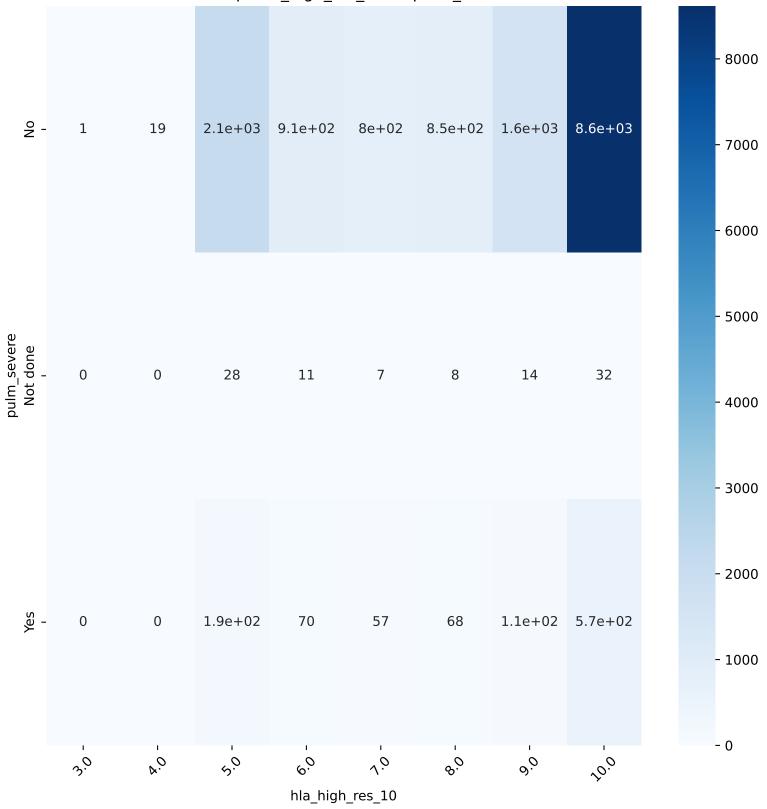
Heatmap: hla\_high\_res\_8 vs pulm\_severe 8000 မှ -2.6e+03 1 23 1.1e+03 1e+03 1.6e+03 9.5e+03 6000 pulm\_severe Not done 0 0 35 11 9 13 41 - 4000 - 2000 Yes -1 1 2.2e+02 1e+02 62 1.1e+02 6.3e+02 - 0 10 Þ. 0 60

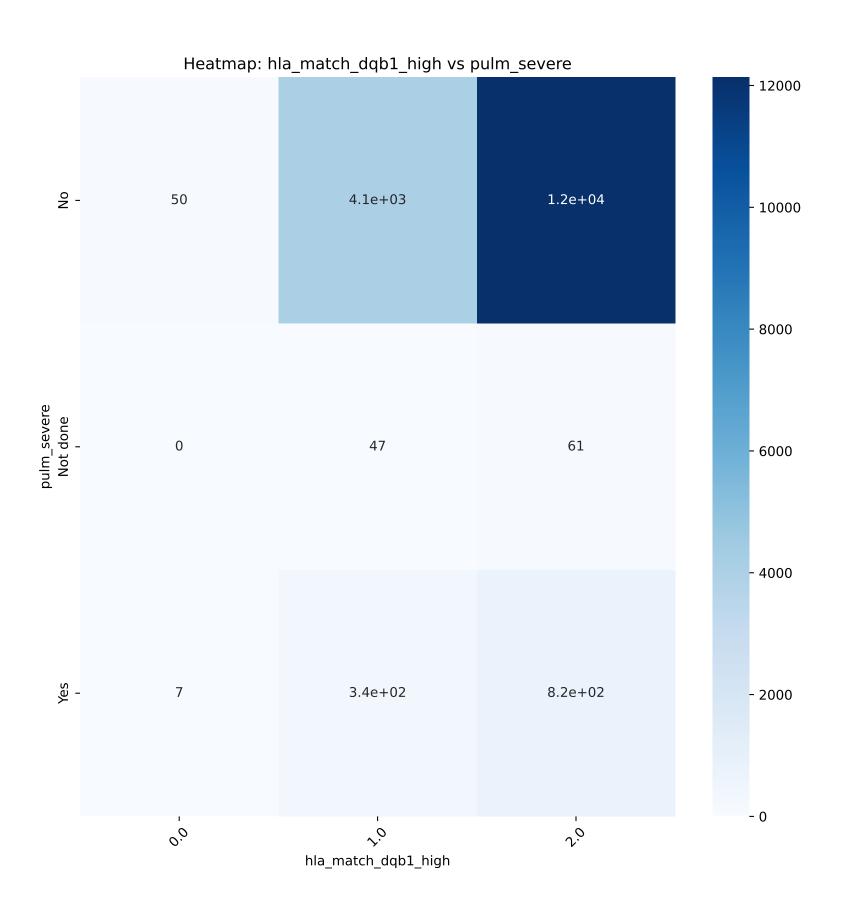
hla\_high\_res\_8

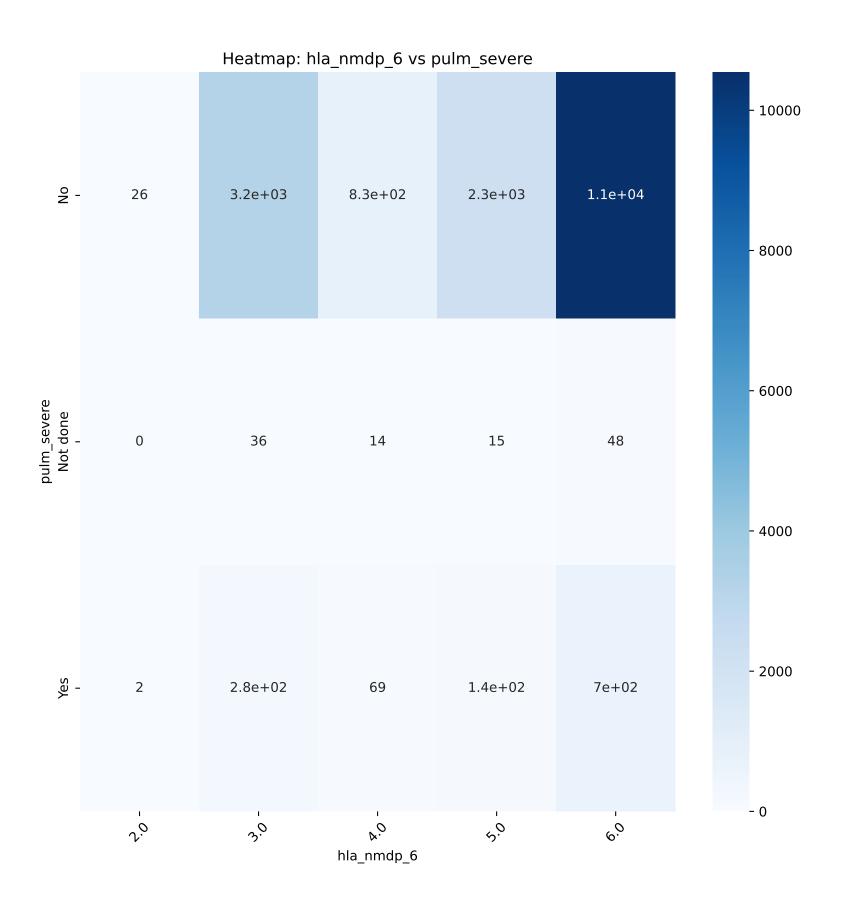


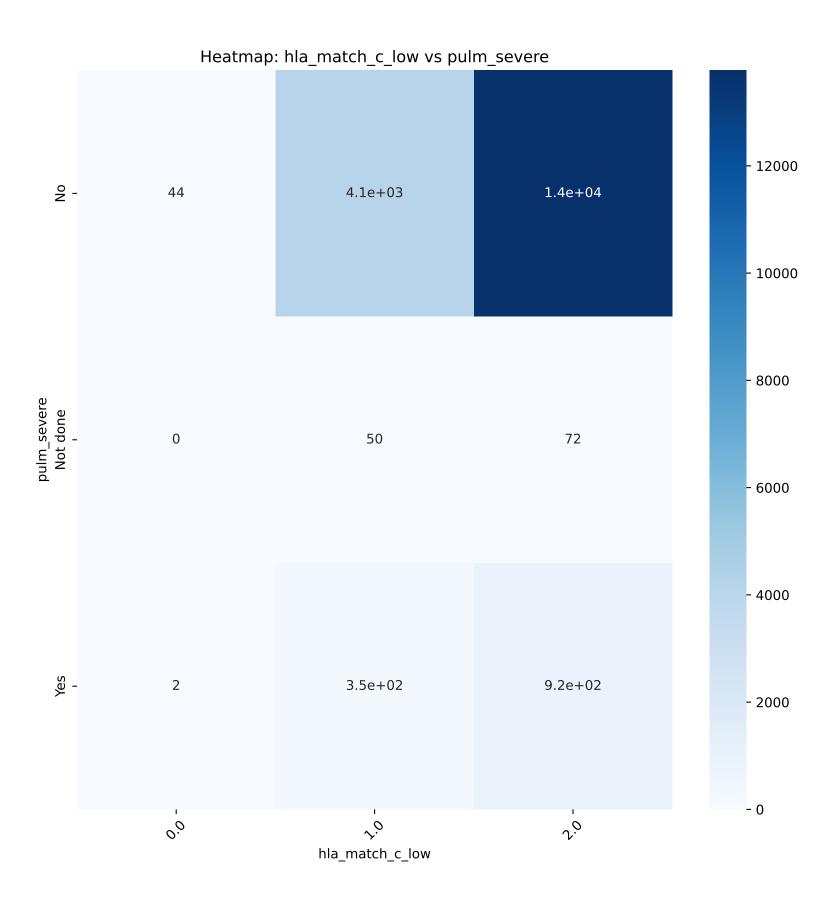


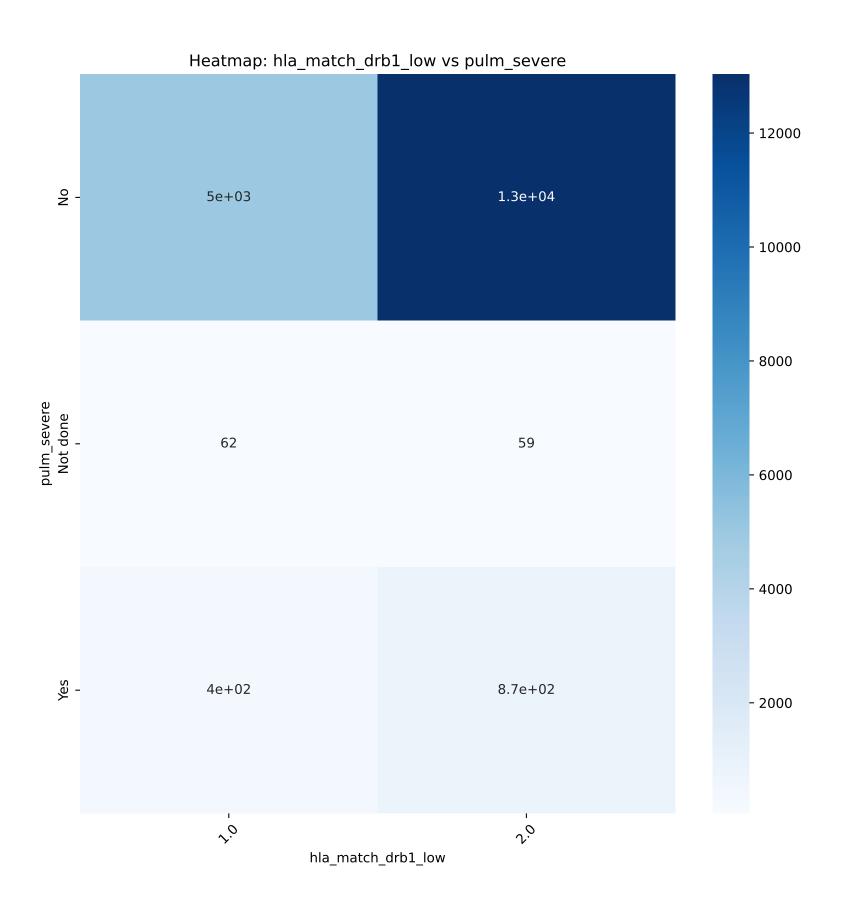
Heatmap: hla\_high\_res\_10 vs pulm\_severe

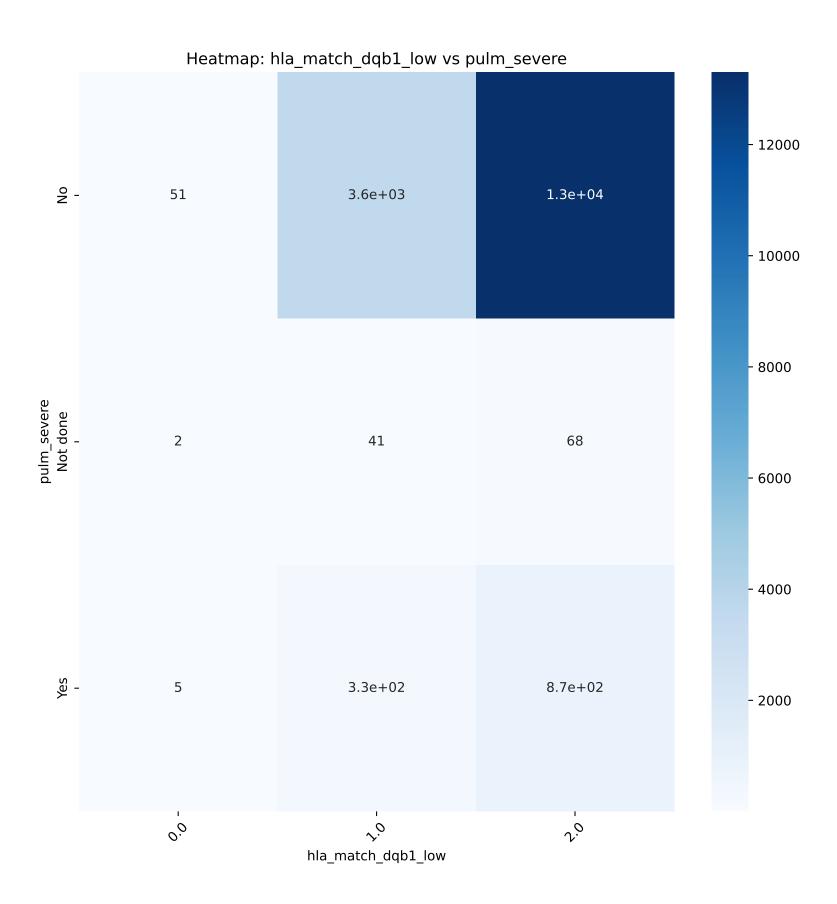


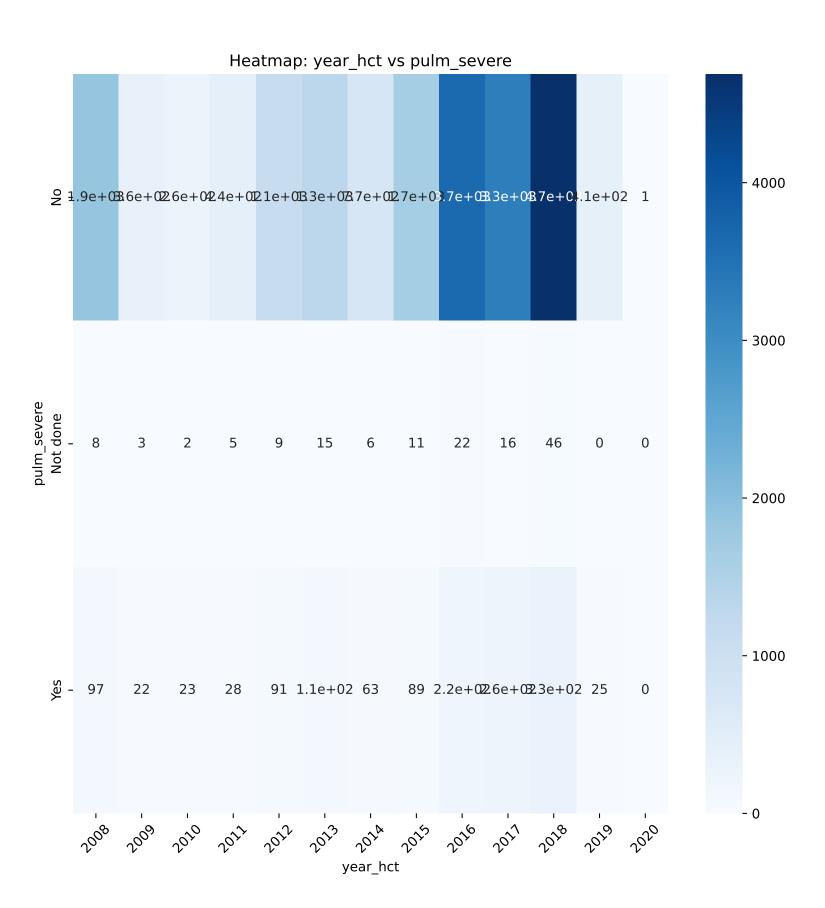


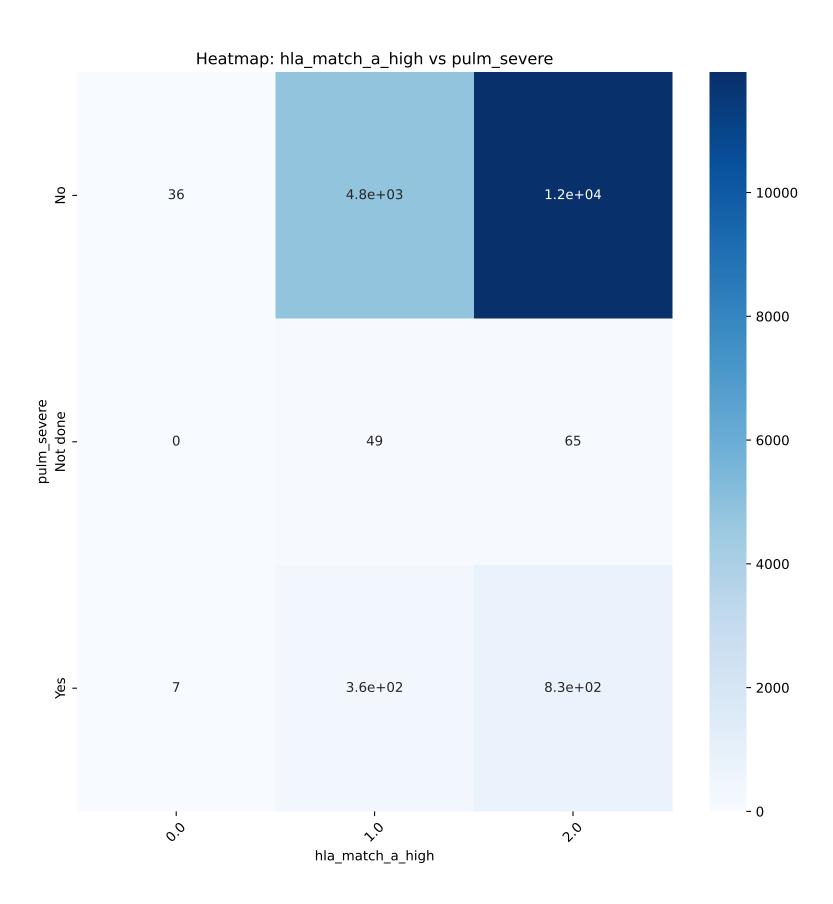




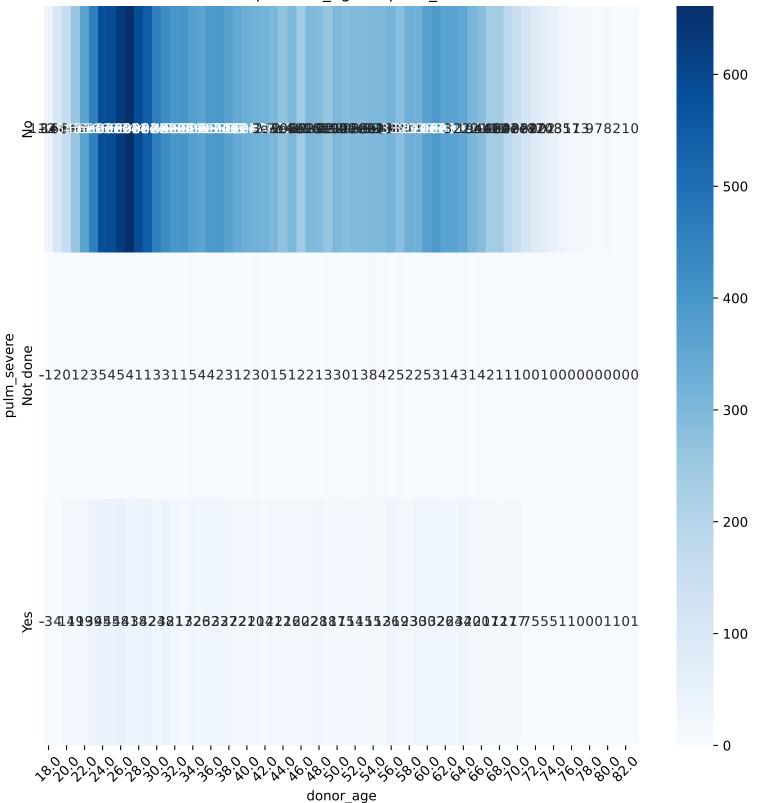


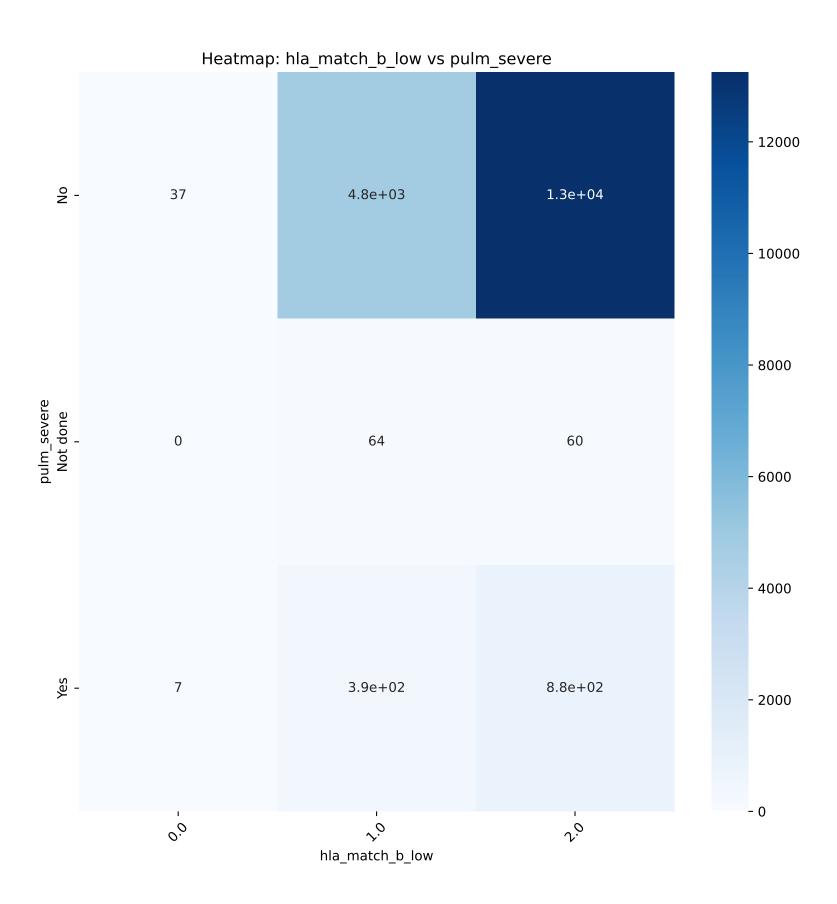




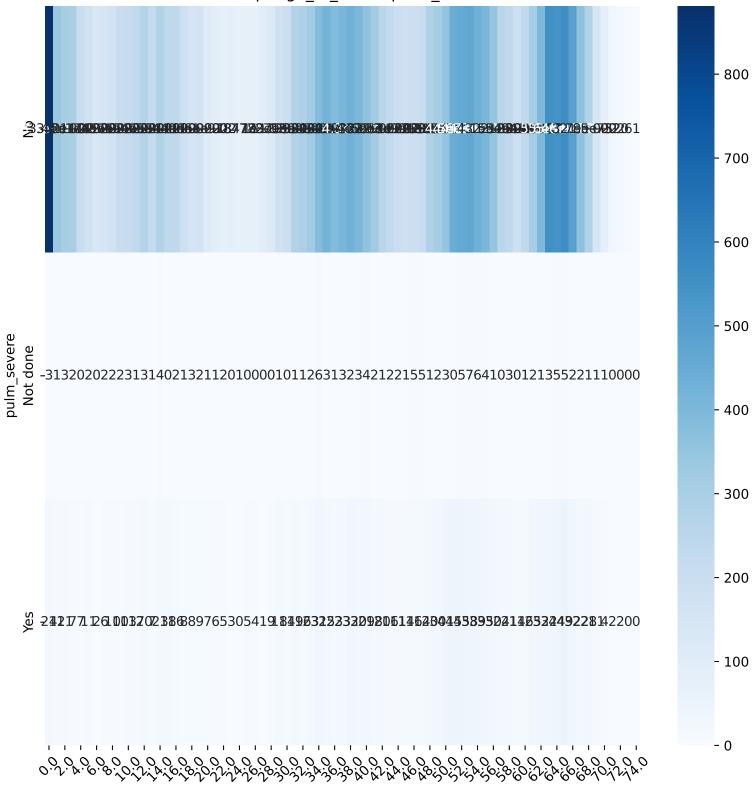


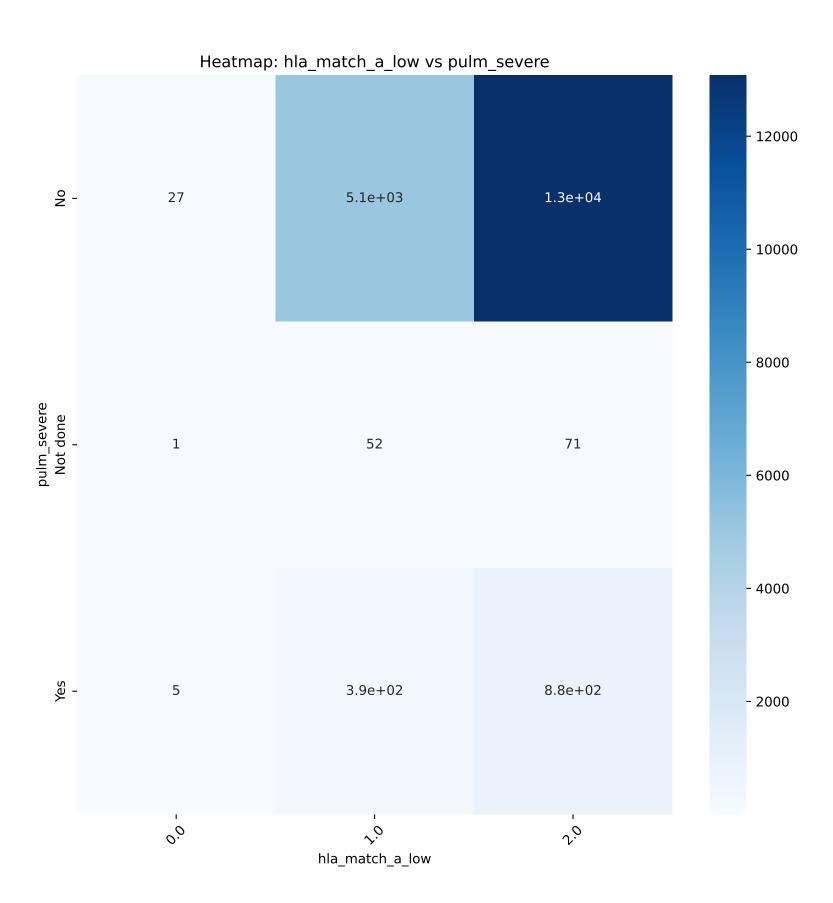
## Heatmap: donor\_age vs pulm\_severe

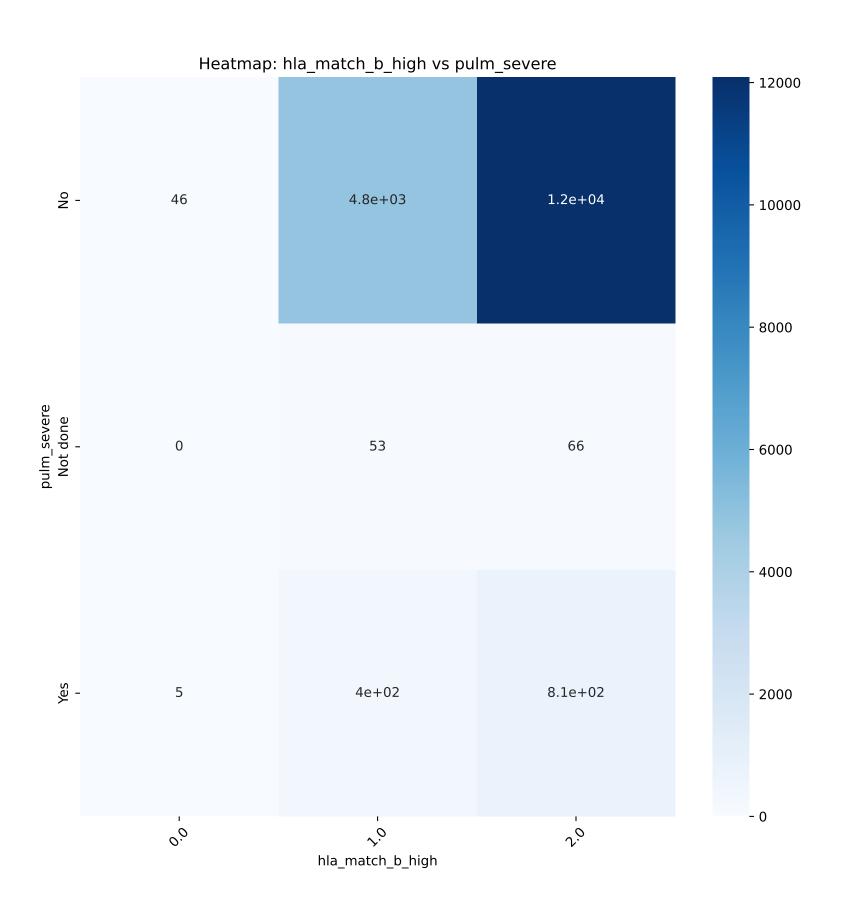


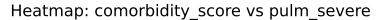


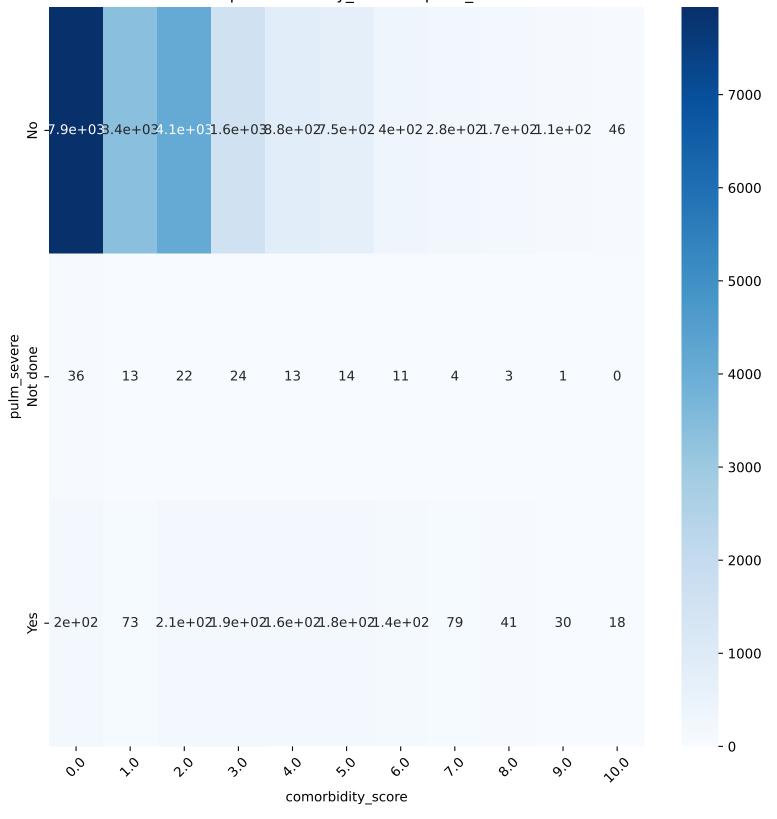
## Heatmap: age\_at\_hct vs pulm\_severe

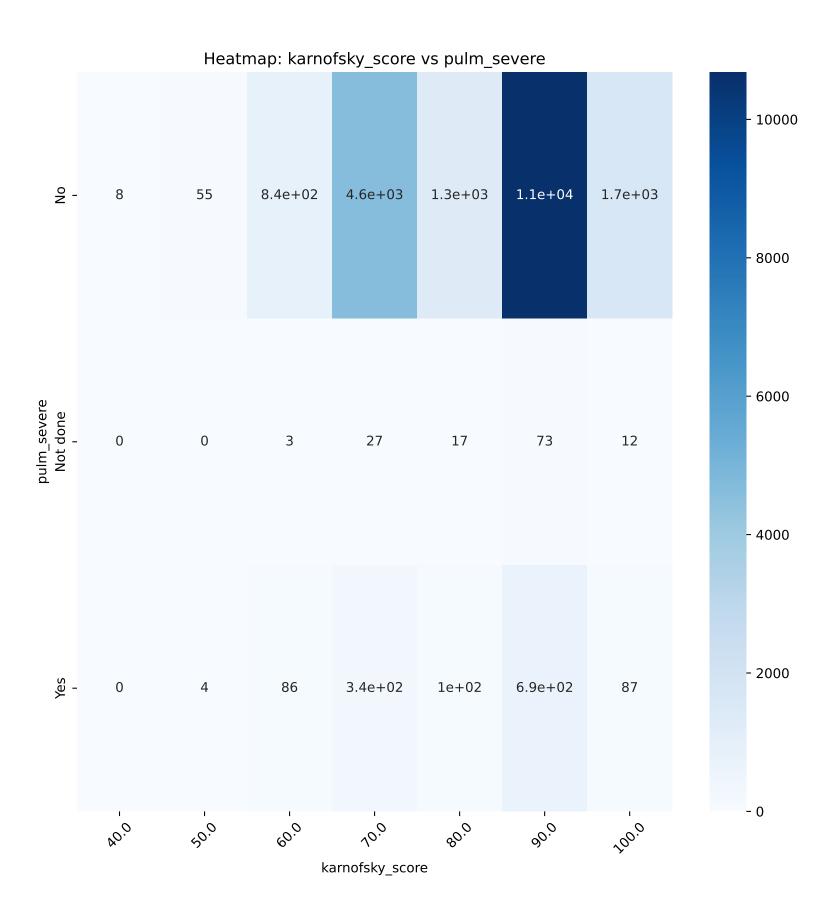




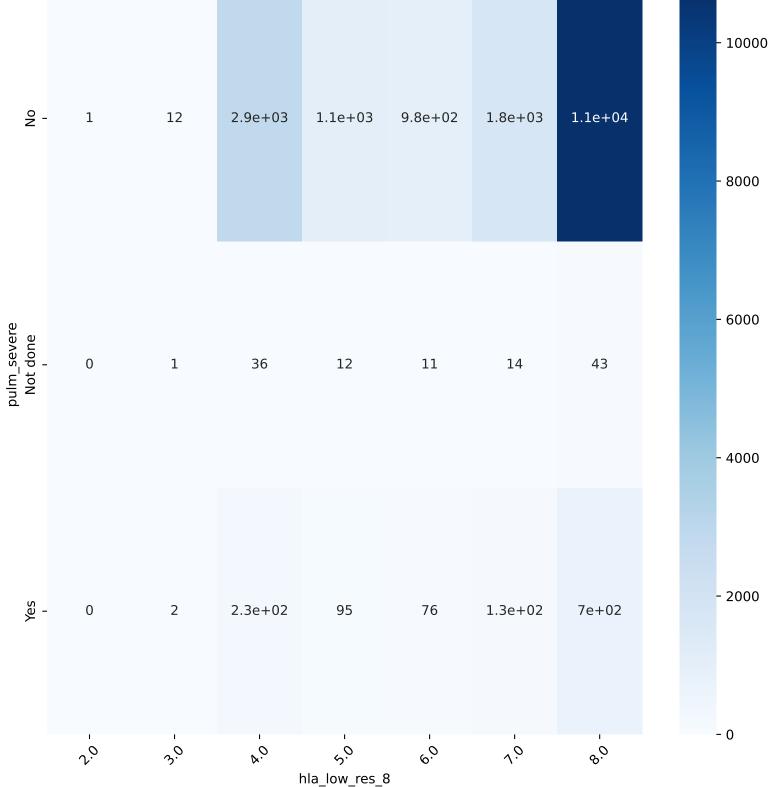


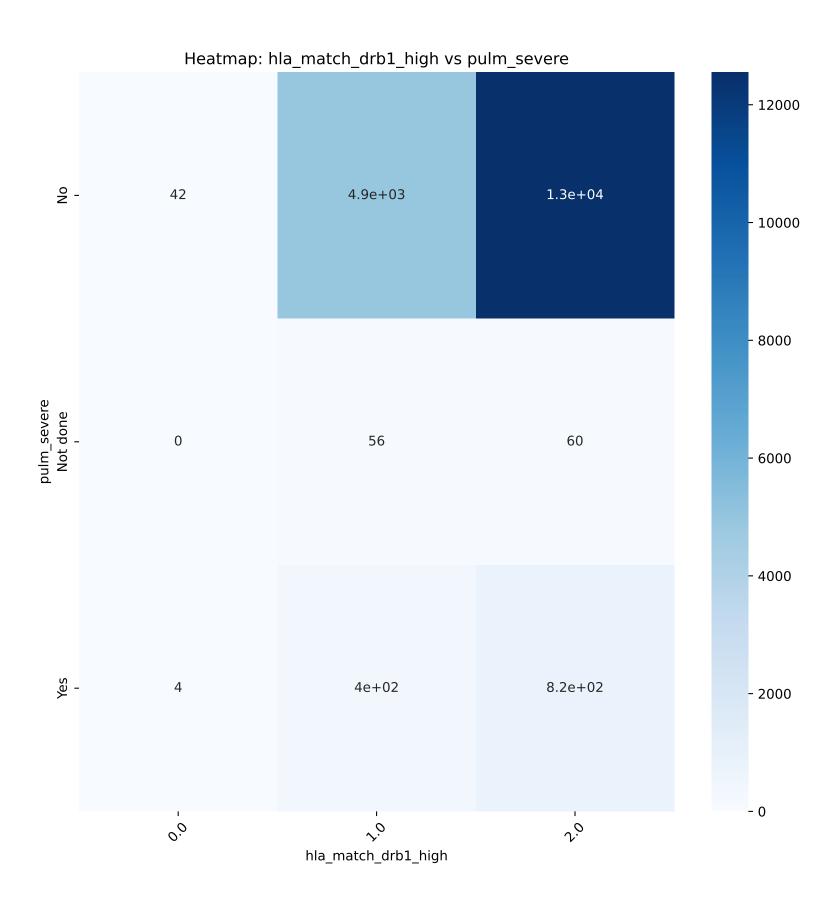




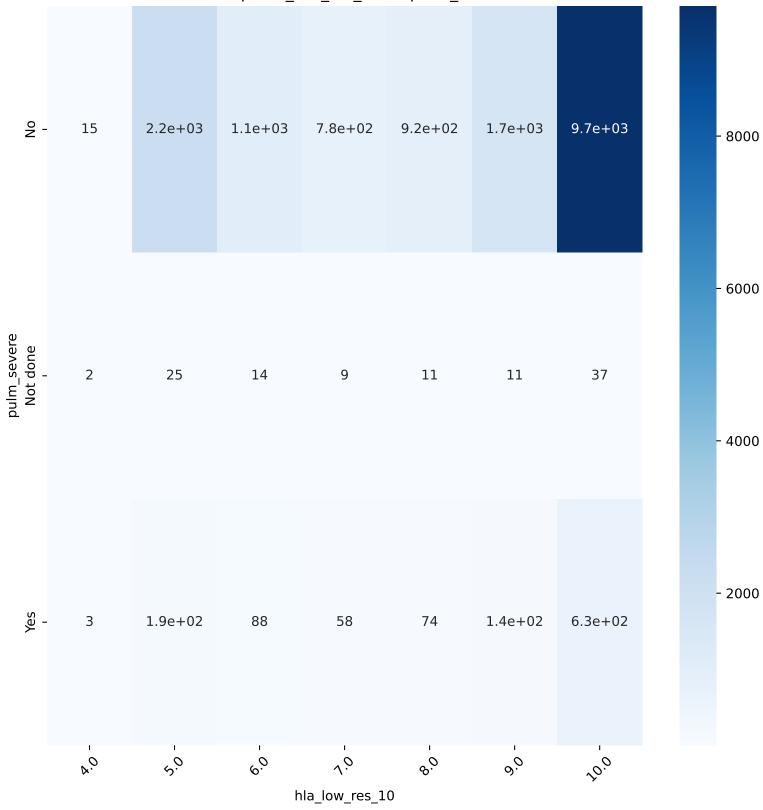


Heatmap: hla\_low\_res\_8 vs pulm\_severe





Heatmap: hla\_low\_res\_10 vs pulm\_severe



Heatmap: hla\_match\_c\_high vs prim\_disease\_hct

	Heatinap. III	a_match_c_mgn vs pmi_	_disease_rict	
AI -	0	45	2.8e+02	
ALL -	20	1.2e+03	4.2e+03	- 4000
AML -	11	1.5e+03	3.2e+03	
CML -	0	8	4	- 3500
HD -	0	7	31	
HIS -	1	43	2.7e+02	- 3000
IEA -	3	2e+02	8e+02	
IIS -	3	1.6e+02	4.8e+02	- 2500
IMD -	0	29	60	
IPA -	8	1.7e+02	1.1e+03	- 2000
MDS -	9	4.4e+02	1.7e+03	
MPN -	1	2e+02	9.2e+02	- 1500
NHL -	1	2e+02	6.2e+02	
r acute leukemia -	0	13	44	- 1000
Other leukemia -	1	26	2.1e+02	
PCD -	4	95	4.7e+02	- 500
SAA -	3	81	3.5e+02	
Solid tumor -	2	27	1e+02	- 0
	00	hla_match_c_high	2.0	U

Heatmap: hla\_high\_res\_8 vs prim\_disease\_hct

	0			11_103_0 v3			2-102	- 3000
AI -	0	0	30	22	25	36	2e+02	
ALL -	0	9	8.8e+02	3.7e+02	3.6e+02	5.5e+02	3e+03	
AML -	1	9	1.1e+03	3.9e+02	2.9e+02	4.4e+02	2.1e+03	
CML -	0	1	7	1	0	0	3	- 2500
HD -	0	0	6	0	4	2	26	
HIS -	0	0	22	21	21	45	2e+02	
IEA -	0	0	1.2e+02	69	71	1.2e+02	5.8e+02	- 2000
IIS -	0	1	1.2e+02	57	44	72	3.3e+02	
IMD -	0	0	24	7	9	5	41	
IPA -	0	1	78	57	63	1.1e+02	8.9e+02	- 1500
MDS -	0	3	2.6e+02	1.5e+02	1.3e+02	1.9e+02	1.3e+03	
MPN -	0	1	1.2e+02	55	63	98	7.3e+02	
NHL -	0	0	1.4e+02	57	32	63	4.8e+02	- 1000
r acute leukemia -	0	0	10	3	2	7	35	
Other leukemia -	0	0	16	11	11	32	1.6e+02	
PCD -	0	1	52	39	37	68	3.5e+02	- 500
SAA -	1	0	58	22	26	37	2.7e+02	
Solid tumor -	0	0	21	5	8	11	72	
	2.0	3.0	Ø.0	8.0	6.0	10	8.0	- 0
			r	nla_high_res_	8			

Heatmap: hla\_low\_res\_6 vs prim\_disease\_hct

AI -	1	46	27	42	2.2e+02	- 3500
ALL -	8	1.1e+03	4.8e+02	6.5e+02	3.5e+03	
AML -	3	1.4e+03	4.2e+02	5.2e+02	2.5e+03	- 3000
CML -	0	8	1	0	5	
HD -	0	7	2	6	26	
HIS -	0	37	39	45	2.2e+02	- 2500
IEA -	1	1.8e+02	96	1.5e+02	6.5e+02	
IIS -	0	1.6e+02	74	91	3.9e+02	- 2000
IMD -	1	34	9	8	55	
IPA -	0	1e+02	70	1.2e+02	9.9e+02	
MDS -	1	3.1e+02	1.9e+02	2.1e+02	1.5e+03	- 1500
MPN -	0	1.5e+02	73	1.1e+02	8.6e+02	
NHL -	0	1.8e+02	45	89	5.8e+02	- 1000
r acute leukemia -	1	11	1	5	42	1000
Other leukemia -	0	26	8	36	1.8e+02	
PCD -	0	76	55	85	4e+02	- 500
SAA -	1	72	41	57	3.2e+02	
Solid tumor -	0	30	12	22	79	- 0
	20	3.0	hla_low_res_6	5.0	6.0	- 0

Heatmap: hla\_high\_res\_6 vs prim\_disease\_hct

	ricatinapi ma_mgn_res_o vs prim_alsease_net												
AI -	0	0	44	31	38	2.1e+02		- 3000					
ALL -	0	12	1.1e+03	4.7e+02	6.4e+02	3.1e+03							
AML -	1	14	1.3e+03	4.4e+02	5e+02	2.2e+03							
CML -	0	1	8	0	0	4		- 2500					
HD -	0	0	6	3	4	26							
HIS -	0	0	31	30	47	2.1e+02							
IEA -	0	0	1.6e+02	98	1.3e+02	6.1e+02		- 2000					
IIS -	0	2	1.5e+02	70	85	3.4e+02							
IMD -	0	0	28	12	7	45							
IPA -	0	2	91	78	1.3e+02	9.2e+02		- 1500					
MDS -	0	4	3e+02	2e+02	2.3e+02	1.4e+03							
MPN -	0	2	1.4e+02	87	1.2e+02	7.6e+02							
NHL -	0	0	1.7e+02	52	72	5e+02		- 1000					
r acute leukemia -	0	0	11	3	8	36							
Other leukemia -	0	0	21	17	33	1.6e+02							
PCD -	0	0	67	50	80	3.6e+02		- 500					
SAA -	0	1	71	34	43	2.8e+02							
Solid tumor -	0	0	24	11	9	74							
	0.0	2.0	၇ hla_higl	h_res_6	80.	6.0		- 0					

Heatmap: hla\_high\_res\_10 vs prim\_disease\_hct

AI -	0	0	27	18	17	22	40	1.8e+02	
ALL -	0	6	7.4e+02	3.1e+02	2.9e+02	2.9e+02	5.4e+02	2.8e+03	- 2500
AML -	0	12	9.2e+02	3.5e+02	2.4e+02	2.4e+02	4.2e+02	1.9e+03	
CML -	0	1	7	0	1	0	0	3	
HD -	0	0	4	2	1	3	2	26	- 2000
HIS -	0	0	18	10	20	22	48	1.8e+02	2000
IEA -	0	0	1.1e+02	49	42	72	1.2e+02	5.2e+02	
IIS -	0	1	1e+02	52	39	39	65	2.9e+02	
IMD -	0	0	21	5	8	6	5	36	- 1500
IPA -	0	0	53	42	47	60	1.1e+02	8.4e+02	
MDS -	0	1	1.9e+02	1e+02	1.1e+02	1e+02	2.1e+02	1.2e+03	
MPN -	0	1	88	47	42	56	1e+02	6.7e+02	- 1000
NHL -	0	0	1.3e+02	38	32	32	58	4.2e+02	
r acute leukemia -	0	0	9	2	1	2	5	32	
Other leukemia -	0	0	14	7	8	10	33	1.4e+02	- 500
PCD -	0	1	40	31	34	34	74	3.2e+02	
SAA -	1	0	52	21	17	19	45	2.4e+02	
Solid tumor -	0	0	18	5	6	8	10	62	- 0
	3.0	Þ.O	6º.0	60.	10	8.0	9.0	200	- 0
				hla_high	n_res_10				

Heatmap: hla\_match\_dqb1\_high vs prim\_disease\_hct

	· -			
AI -	0	77	2.5e+02	
ALL -	19	1.4e+03	4e+03	
AML -	19	1.5e+03	2.9e+03	- 3500
CML -	0	8	5	
HD -	0	6	36	- 3000
HIS -	1	63	2.6e+02	
IEA -	2	2.4e+02	7.8e+02	- 2500
IIS -	2	2.1e+02	4.3e+02	
IMD -	0	41	51	- 2000
IPA -	1	1.2e+02	1.1e+03	2000
MDS -	7	3.5e+02	1.7e+03	
MPN -	5	1.8e+02	9.1e+02	- 1500
NHL -	2	2.2e+02	5.8e+02	
r acute leukemia -	1	11	44	- 1000
Other leukemia -	1	38	2e+02	
PCD -	4	1.3e+02	4.5e+02	- 500
SAA -	1	1.3e+02	3.3e+02	
Solid tumor -		45	85	0
	00	رٰ \ hla_match_dqb1_high	2.0	- 0

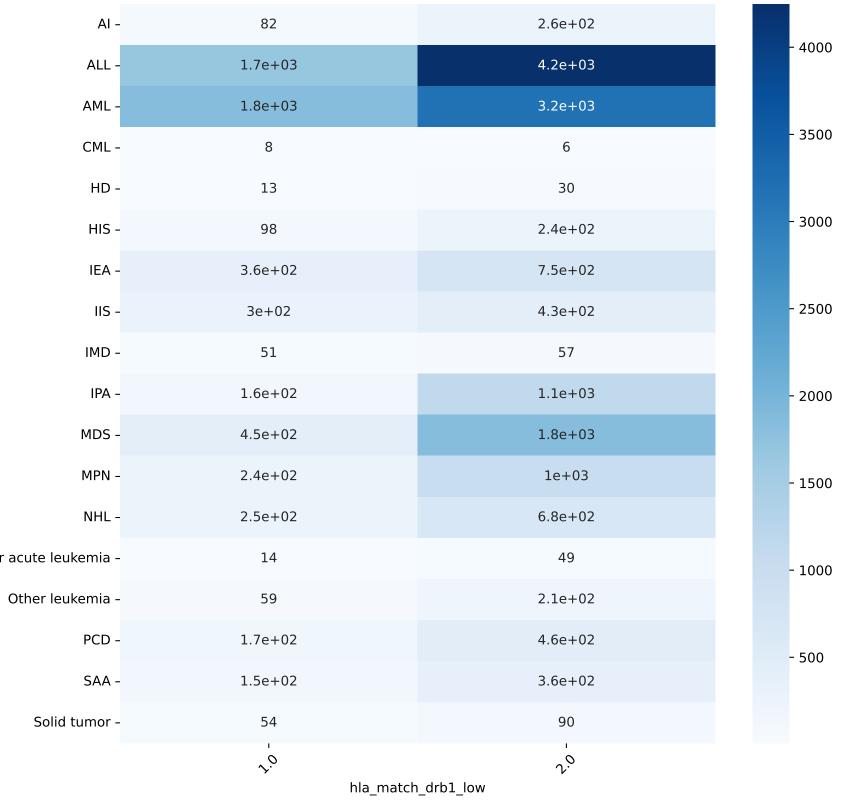
Heatmap: hla\_nmdp\_6 vs prim\_disease\_hct

_		Heatinap. Illa_	illilab_o vs bili	ii_uisease_iict		
AI -	0	44	22	38	2.2e+02	
ALL -	11	1.1e+03	3.3e+02	7.8e+02	3.4e+03	- 3000
AML -	9	1.4e+03	3.2e+02	6.4e+02	2.4e+03	
CML -	0	8	0	2	4	
HD -	0	5	3	8	23	- 2500
HIS -	0	39	17	50	2.2e+02	
IEA -	3	1.8e+02	40	1.6e+02	6.6e+02	
IIS -	0	1.6e+02	25	1.2e+02	3.9e+02	- 2000
IMD -	0	37	4	9	50	
IPA -	0	1.3e+02	23	1.4e+02	9.6e+02	- 1500
MDS -	3	3.4e+02	78	2.4e+02	1.5e+03	1300
MPN -	1	1.6e+02	50	1.4e+02	8.2e+02	
NHL -	1	1.8e+02	36	91	5.4e+02	- 1000
r acute leukemia -	1	9	4	8	37	
Other leukemia -	0	20	14	28	1.8e+02	
PCD -	0	85	32	91	3.9e+02	- 500
SAA -	0	83	17	68	3e+02	
Solid tumor -	0	30	4	21	77	
	2.0	3.0	hla_nmdp_6	6). 6)	60	- 0

# Heatmap: hla\_match\_c\_low vs prim\_disease\_hct

AI -	1	56	2.8e+02	
ALL -	14	1.4e+03	4.5e+03	- 4000
AML -	15	1.7e+03	3.3e+03	
CML -	0	8	6	- 3500
HD -	0	5	37	
HIS -	0	43	3e+02	- 3000
IEA -	2	2.2e+02	8.9e+02	3000
IIS -	3	1.8e+02	5.5e+02	- 2500
IMD -	0	32	76	2300
IPA -	4	1.8e+02	1.1e+03	- 2000
MDS -	8	4.7e+02	1.8e+03	2000
MPN -	8	2e+02	1e+03	- 1500
NHL -	0	2.1e+02	7e+02	1300
r acute leukemia -	1	10	50	- 1000
Other leukemia -	0	30	2.3e+02	- 1000
PCD -	2	1.1e+02	5.2e+02	F00
SAA -	1	87	4.3e+02	- 500
Solid tumor -	1	32	1.1e+02	0
	0.0	ر hla_match_c_low	2.0	- 0

#### Heatmap: hla\_match\_drb1\_low vs prim\_disease\_hct



## Heatmap: hla\_match\_dqb1\_low vs prim\_disease\_hct

AI -	1	71	2.6e+02	
ALL -	22	1.3e+03	4.3e+03	- 4000
AML -	18	1.4e+03	3.3e+03	
CML -	0	8	5	- 3500
HD -	0	8	35	
HIS -	2	56	2.6e+02	- 3000
IEA -	4	2e+02	8.5e+02	
IIS -	3	1.9e+02	4.9e+02	- 2500
IMD -	0	37	62	
IPA -	5	1e+02	1.1e+03	- 2000
MDS -	6	3e+02	1.8e+03	
MPN -	2	1.7e+02	9.8e+02	- 1500
NHL -	6	1.9e+02	6.6e+02	
acute leukemia -	0	13	44	- 1000
Other leukemia -	0	44	2.1e+02	
PCD -	5	97	5e+02	- 500
SAA -	1	1.2e+02	3.8e+02	300
Solid tumor -	0	46	93	0
	0,0	ہٰہٰ hla_match_dqb1_low	20	- 0

Heatmap:	vear	hct v	's prim	disease	hct
i i Caci i iapi	, – –		9 PI III	aiscasc	

AI -	17	8	2	8	9	24	13	18	58	62	1.3e+02	7	0		
ALL 5	5.7e+01	22e+02	96	1.2e+0	27e+0	21e+022	.7e+0	∕ <b>2</b> 9e+0	2.1e+0B	1e+	013.7e+01.	6e+02	2		- 1600
AML 4	.9e+01	22e+02	85	1.4e+0	<b>2</b> 3e+Œ	22.4e+012	.8e+0	<b>1</b> 26e+0	2.6e+012	1e+	0B3e+01.	1e+02	0		
CML -	0	1	1	0	0	2	0	0	5	6	4	0	0		- 1400
HD -	1	0	1	0	1	0	3	2	13	5	13	5	0		
HIS -	25	3	2	1	9	32	18	17	49	54	1.2e+02	23	0		- 1200
IEA -	71	10	8	12	43	68	62	68 2	2.5e+0 <u>1</u> 2	7e+	032.5e+02	59	1		
IIS -	84	5	8	8	38	48	28	58	1.7e+012	1e+	0 <b>2</b> e+02	36	0		- 1000
IMD -	16	1	0	3	5	4	7	8	21	16	30	3	0		
IPA -	83	20	10	43	93 1	l.1e+02	61	1.1e+0	<b>2</b> 6e+0 <b>2</b>	2e+0	23.5e+02	27	0		- 800
MDS 1	9e+0	2 36	32	68	1.7e+0	28e+02	98	2.2e+0	26e+032	8e+	052.3e+02	70	1		
MPN <del>1</del>	2e+0	2 37	28	39	66	96	39	72	1.9e+022	2e+	032.9e+02	46	0		- 600
NHL <del>1</del>	5e+0	2 15	10	24	71	76	33	63	1.8e+012	5e+	022.7e+02	22	0		
r acute leukemia -	4	0	0	1	4	3	2	10	13	14	16	1	0		- 400
Other leukemia -	21	6	2	4	10	19	15	22	53	36	81	15	0		
PCD -	76	8	4	6	22	58	34	42	1.4e+02	91	1.8e+02	22	0		- 200
SAA -	84	13	3	6	21	38	20	42	1.2e+02	78	1.3e+02	13	0		- 200
Solid tumor -	27	1	1	2	10	8	7	12	39	26	27	0	0		
	2008	2009	2010	2017	2022	2013	2014	2015	2016	2027	2018	2019	2020		- 0
	V	V	V	V	V	y e	ear_h	ct	V	V	V	V	•		

## Heatmap: hla\_match\_a\_high vs prim\_disease\_hct

	ricacinap: iii	a_maten_a_mgn vs pinin_	_disease_free	
AI -	0	79	2.5e+02	
ALL -	9	1.7e+03	3.8e+03	- 3500
AML -	14	1.9e+03	2.8e+03	
CML -	1	8	4	- 3000
HD -	0	11	29	3000
HIS -	1	62	2.6e+02	
IEA -	2	2.6e+02	7.7e+02	- 2500
IIS -	5	2.1e+02	4.6e+02	
IMD -	0	37	63	- 2000
IPA -	4	1.9e+02	1.1e+03	
MDS -	5	5e+02	1.7e+03	- 1500
MPN -	4	2.3e+02	9e+02	1300
NHL -	3	2.3e+02	6.1e+02	
r acute leukemia -	0	14	44	- 1000
Other leukemia -	0	36	2e+02	
PCD -	0	1.2e+02	4.6e+02	- 500
SAA -	3	1.1e+02	3.4e+02	
Solid tumor -		34	94	- 0
	00	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.0	- 0

#### Heatmap: donor\_age vs prim\_disease\_hct

AI -01353891 <b>120</b> 281681 <b>100</b> 08593108815512625254453262541523947327210010001000	
ALL <b>136</b> 1254220000000000000000000000000000000000	
AML -98614: 161919191919191919191919191919191919191	- 200
CML -0000021202001120000000001001000002000101000000	
HD -00101121432011210001020000000001000110010100110001000000	
HIS -11521 <b>00120121</b> 59777842073254553566231555322323344114211204000000000	
IEA -21 <b>609240618222222223592012093414</b> 4912581019981129715910075891074220100001000	- 150
IIS -131 <b>222322080988274217421</b> @791461 <b>1</b> 0771292106539911651064526113310101000100	
IMD -000262624242331152343233001013201222200001300101000010000	
IPA -31089846854535125222883116173550169262662829425462220810884212212100	
MDS-5109504608653666063333395326303263334545325600002642922209157230211000	- 100
MPN -261203363833009183309219948456227220490952365233220325312646410010000	
NHL-0591 <b>00022890802248201868216624</b> 22 <b>224209562061322220803</b> 37124521221000000	
r acute leukemia -0113012222201531223001310010120101021102102220211100200000000	
Other leukemia -012955105611081076774747652412462153241143334334442123301410100000000	- 50
PCD -26461 <b>51922020635</b> 391 <b>7221</b> 491445981294612003123631099871484162245114100000101	
SAA -263571 <b>7920675</b> 761 <b>37</b> 581 <b>04611</b> 17851 <i>4</i> 61197771 <b>0</b> 1578686510887336321743000000000	
Solid tumor -0213222356772533556333441442231313431101004111541022021000000000	
\$\$\frac{1}{2}\frac{1}{	- 0

donor\_age

## Heatmap: hla\_match\_b\_low vs prim\_disease\_hct

AI -	1	67	2.7e+02	
ALL -	19	1.6e+03	4.3e+03	- 4000
AML -	11	2e+03	3.1e+03	
CML -	0	10	6	- 3500
HD -	0	7	34	
HIS -	0	66	2.8e+02	- 3000
IEA -	3	2.6e+02	8.3e+02	
IIS -	0	2.2e+02	5.2e+02	- 2500
IMD -	1	40	68	
IPA -	3	2.1e+02	1.1e+03	- 2000
MDS -	6	5.6e+02	1.7e+03	
MPN -	2	2.4e+02	9.9e+02	- 1500
NHL -	1	2.5e+02	6.8e+02	
r acute leukemia -	1	12	47	- 1000
Other leukemia -	1	37	2.2e+02	
PCD -	1	1.2e+02	5.1e+02	- 500
SAA -	2	99	4.1e+02	300
Solid tumor -	1	40	1.1e+02	- 0
	0,0	hla_match_b_low	2.0	- 0

#### Heatmap: age\_at\_hct vs prim\_disease\_hct

AI 1059731245796L02L209749522111134525L33107L038L098214423344472533252233554512000000	
Ail-e736588906Z59@589\$592Z5B32B32S67AZ6KNEEEEET@198\$80QZ664EERR8687AS6EERR862DT00	- 200
AML 984332200806640992630224922356(NEBANDEN) 2-1858068NEAGEND/7686853566699423331	
CML -10001000000100000000000000011200211000000	- 175
HD -6523200302120230111000000210000000001110000010101000000	
HIS 5281981659127122482251071614310111122262122211013222043525412011003021200000000	- 150
IEA -158643734193403883148499536051358768.191341.164632951.061.18951.39550272647424200000	
IIS -2 <b>5343755000008369203</b> 59542322523875 <b>4.2060</b> 939613434597 <b>5.07</b> 5687213322341211000000	- 125
IMD 2564803232333153211121200100013122021040110010112120001210100000100000000	
IPA 204876L022235669694857530505412447L20123002992203L03039889552093448686682236600	- 100
MDS 3641510326867116136611377743655399130242359286892422485568388385634666822955806210	
MPN 191958124561 (5886858391 10453583371 267879628502858285203334525422240894663925663420	- 75
NHL 154.153463737108288843411245254910B172902237587B442273808869047820082770574721001	
r acute leukemia -21020200120101120222212100211220002321130011110042123201000000101000000000	- 50
Other leukemia 180885845544.01.065566623410000402642763310335412231422734533513223038301100000	30
PCD 6222264888608567981548664443426586L279L184507474655797L202967661224L084624210000	- 25
SAA <b>5220907</b> 99 <b>12640</b> 699109958501243561951203086887435158575971 <b>10</b> 5186405615395141220000	- 25
Solid tumor 10021012122326548312131002011111022654411530223181412335122010021232000000000	
0.1. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	- 0

## Heatmap: hla\_match\_a\_low vs prim\_disease\_hct

	•		_	
AI -	2	86	2.6e+02	- 4000
ALL -	16	1.8e+03	4.2e+03	
AML -	8	2e+03	3.1e+03	- 3500
CML -	0	9	6	3300
HD -	0	13	31	
HIS -	1	72	2.7e+02	- 3000
IEA -	2	2.6e+02	8.4e+02	
IIS -	2	2.2e+02	5.1e+02	- 2500
IMD -	0	40	69	
IPA -	2	2e+02	1.1e+03	- 2000
MDS -	4	5.2e+02	1.8e+03	
MPN -	0	2.5e+02	9.8e+02	- 1500
NHL -	1	2.5e+02	6.9e+02	
r acute leukemia -	0	17	46	- 1000
Other leukemia -	0	40	2.2e+02	
PCD -	1	1.3e+02	5e+02	- 500
SAA -	0	1.2e+02	4e+02	
Solid tumor -		42	1e+02	- 0
	0.0	ر hla_match_a_low	2.0	- 0

#### Heatmap: hla\_match\_b\_high vs prim\_disease\_hct

		aab		
AI -	1	69	2.6e+02	
ALL -	22	1.6e+03	3.9e+03	2500
AML -	12	1.9e+03	2.8e+03	- 3500
CML -	0	9	4	
HD -	0	8	33	- 3000
HIS -	0	61	2.7e+02	
IEA -	2	2.6e+02	7.9e+02	- 2500
IIS -	1	2.1e+02	4.8e+02	
IMD -	0	39	56	- 2000
IPA -	4	2.5e+02	1e+03	2000
MDS -	6	6e+02	1.6e+03	
MPN -	10	2.6e+02	8.9e+02	- 1500
NHL -	1	2.5e+02	6e+02	
r acute leukemia -	0	19	39	- 1000
Other leukemia -	1	43	2e+02	
PCD -	2	1.2e+02	4.8e+02	- 500
SAA -	0	1e+02	3.6e+02	
Solid tumor -	0	36	92	2
	0,0	ر ر hla_match_b_high	20	- 0

	1 1 111				
Heatmar	: comorbidity	/ SCOTE VS	nrım	disease	nct
Ticacillap	, comonanti	JCOIC VJ	Pilli	aiscasc	1100

AI -	1.5e+02	56	73	30	17	10	5	2	1	1	1	
ALL -	2.5e+03	1e+031	4e+03	5.9e+022	2.9e+02	2.7e+021	5e+02	85	56	33	22	
AML -	2.1e+03	l.1e+031	1e+03	1.8e+022	2.8e+02	2.6e+021	6e+021	.3e+02	57	36	14	
CML -	- 8	5	1	2	2	0	0	0	0	0	0	- 2000
HD -	26	1	10	3	2	1	1	0	0	0	0	
HIS -	1.9e+02	37	64	29	10	13	0	0	1	0	0	
IEA -	5.9e+02	L.6e+022	2.2e+02	75	45	29	9	9	4	3	0	
IIS -	4.4e+02	l.2e+021	3e+02	44	24	15	9	3	2	2	1	- 1500
IMD -	- 71	18	12	5	3	3	2	0	0	0	0	
IPA -	3.1e+02	2.3e+023	3.4e+021	L.5e+02	76	79	54	44	20	29	10	
MDS -	6.7e+02	1.4e+0 <i>2</i> 5	5.2e+02	2e+021	L.5e+02	L.4e+02	85	69	64	36	11	- 1000
MPN -	4e+022	2.1e+023	3.1e+02	L.4e+02	75	69	51	22	14	12	7	
NHL -	3.9e+02	2.1e+022	2.2e+02	90	51	36	21	16	7	3	1	
r acute leukemia -	- 30	12	16	4	1	2	1	1	0	0	0	
Other leukemia -	-1.4e+02	35	61	22	11	9	7	2	0	1	0	- 500
PCD -	- 3e+02 1	l.1e+021	5e+02	58	22	27	10	4	3	0	0	
SAA -	2.7e+02	94	1e+02	41	31	13	8	2	0	0	1	
Solid tumor -	- 70	29	35	7	5	7	5	0	0	0	0	
	0.0	<i>√</i> .0	2.0	3.0	Ø. 0	\$.0	Ø. 	10	8.0	9.0	20.0	- 0
					como	rbidity_s	core					

Heatmap: karnofsky\_score vs prim\_disease\_hct

AI -	0	1	9	82	28	2e+02	23	- 3500
ALL -	2	17	2.8e+02	1.5e+03	4.6e+02	3.5e+03	5e+02	
AML -	1	12	2.7e+02	1.5e+03	3.7e+02	3.1e+03	3.3e+02	- 3000
CML -	0	0	1	3	2	9	4	
HD -	0	0	0	5	4	21	12	
HIS -	0	1	7	34	17	2e+02	77	- 2500
IEA -	0	1	29	1.2e+02	68	6.3e+02	2.4e+02	
IIS -	0	4	16	87	42	4.4e+02	1.7e+02	- 2000
IMD -	0	0	2	7	6	72	17	
IPA -	0	3	74	4.3e+02	1.2e+02	6.5e+02	58	
MDS -	3	9	1.3e+02	7.7e+02	1.5e+02	1.2e+03	1.2e+02	- 1500
MPN -	0	9	71	3.3e+02	1.2e+02	6.9e+02	88	
NHL -	1	3	62	2.5e+02	69	5.6e+02	91	- 1000
r acute leukemia -	0	0	0	12	2	40	8	1000
Other leukemia -	0	2	9	43	20	1.6e+02	36	
PCD -	2	1	22	94	59	3.8e+02	1e+02	- 500
SAA -	0	1	16	77	50	3.1e+02	87	
Solid tumor -	0	1	8	23	9	93	20	- 0
	<sup>k0</sup> ,0	50.0	60,0	10,0	80,0	%	2000	- 0
			k	arnofsky sco	re		•	

karnofsky\_score

Heatmap: hla\_low\_res\_8 vs prim\_disease\_hct

Treatmap. ma_low_res_o vs prim_disease_nct									
AI -	0	1	36	22	20	40	2.2e+02		
ALL -	1	3	9.7e+02	3.6e+02	3.5e+02	6e+02	3.4e+03		
AML -	0	4	1.3e+03	3.6e+02	2.9e+02	4.6e+02	2.4e+03		- 3000
CML -	0	0	8	0	1	0	5		
HD -	0	0	5	2	2	6	26		- 2500
HIS -	0	0	25	21	34	45	2.1e+02		
IEA -	0	1	1.4e+02	77	67	1.4e+02	6.4e+02		
IIS -	0	0	1.3e+02	60	50	82	3.8e+02		- 2000
IMD -	0	0	27	12	5	8	54		
IPA -	0	1	88	54	50	1.2e+02	9.5e+02		
MDS -	0	4	2.8e+02	1.2e+02	1.3e+02	1.9e+02	1.5e+03		- 1500
MPN -	0	1	1.3e+02	54	56	1.1e+02	8.4e+02		
NHL -	0	0	1.6e+02	49	33	80	5.6e+02		- 1000
r acute leukemia -	0	1	8	3	1	6	40		
Other leukemia -	0	0	17	13	5	38	1.8e+02		
PCD -	0	0	59	47	37	76	3.9e+02		- 500
SAA -	0	0	58	29	32	55	3.1e+02		
Solid tumor -	0	0	25	10	8	21	75		
	2.0	3.0	<b>*</b> .0	6).	60	10	8.0		- 0
				hla_low_res_8	)				

Heatmap: hla\_match\_drb1\_high vs prim\_disease\_hct

AI -	1	88	2.4e+02	- 4000
ALL -	22	1.7e+03	4.1e+03	
AML -	12	1.9e+03	3e+03	- 3500
CML -	0	9	5	
HD -	0	9	34	- 3000
HIS -	1	90	2.4e+02	
IEA -	3	3.2e+02	7.6e+02	- 2500
IIS -	1	2.8e+02	4.3e+02	2300
IMD -	0	46	57	
IPA -	2	1.4e+02	1.1e+03	- 2000
MDS -	5	4.4e+02	1.8e+03	
MPN -	5	2.2e+02	9.7e+02	- 1500
NHL -	1	2.5e+02	6.4e+02	
r acute leukemia -	0	16	45	- 1000
Other leukemia -	0	57	2e+02	
PCD -	0	1.7e+02	4.4e+02	- 500
SAA -	0	1.3e+02	3.5e+02	
Solid tumor -	0	48	93	- 0
	0.0	\frac{\sqrt{\chi}}{\chi}\rightarrow \hat{\chi} \frac{\chi}{\chi} \rightarrow \hat{\chi} \frac{\chi}{\chi} \rightarrow \hat{\chi} \rightar	2.0	- 0

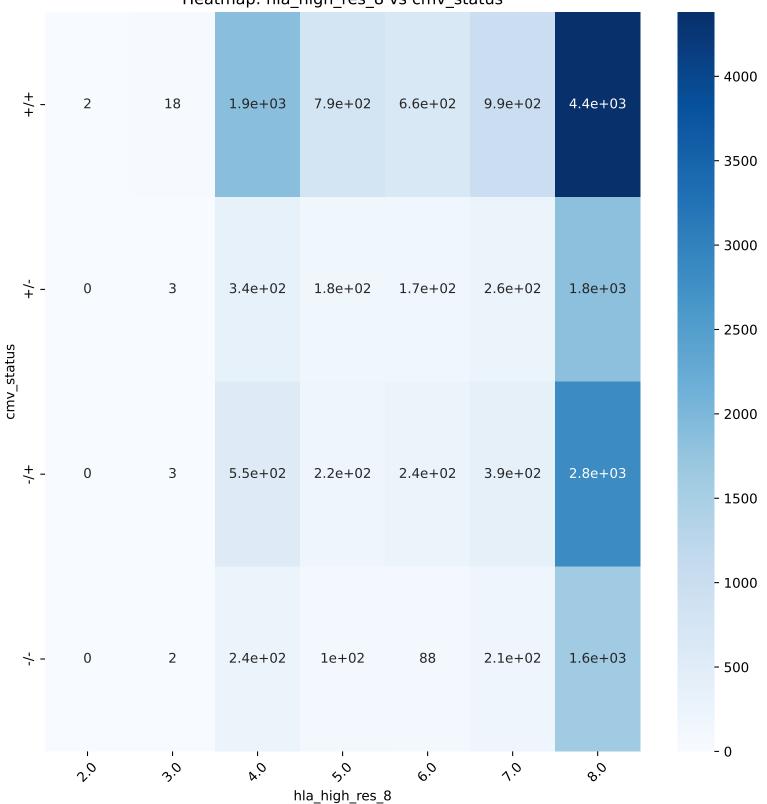
Heatmap: hla\_low\_res\_10 vs prim\_disease\_hct

AI -	1	30	18	16	23	42	2e+02		- 3000	
ALL -	6	7.5e+02	3.5e+02	2.8e+02	3.2e+02	6e+02	3.1e+03			
AML -	6	9.9e+02	4e+02	2.3e+02	2.6e+02	4.4e+02	2.1e+03			
CML -	0	7	1	0	1	1	3		- 2500	
HD -	0	3	4	2	1	5	26			
HIS -	0	17	17	22	25	51	1.9e+02			
IEA -	2	1e+02	74	52	70	1.4e+02	5.8e+02		- 2000	
IIS -	1	1e+02	62	37	44	76	3.3e+02			
IMD -	0	24	9	4	5	9	47			
IPA -	1	49	49	45	54	1.2e+02	9e+02		- 1500	
MDS -	4	1.8e+02	1.4e+02	97	1.1e+02	1.9e+02	1.3e+03			
MPN -	0	89	55	41	61	95	7.7e+02			
NHL -	1	1.2e+02	58	31	40	70	5e+02		- 1000	
r acute leukemia -	1	6	2	2	3	4	35			
Other leukemia -	0	13	11	6	13	37	1.6e+02			
PCD -	1	42	30	38	40	75	3.6e+02		- 500	
SAA -	0	47	30	26	25	53	2.9e+02			
Solid tumor -		22	7	6	15	14	70		0	
	Ø.0	\$.0	60	10	8.0	9.0	20.0		- 0	
	hla low res 10									

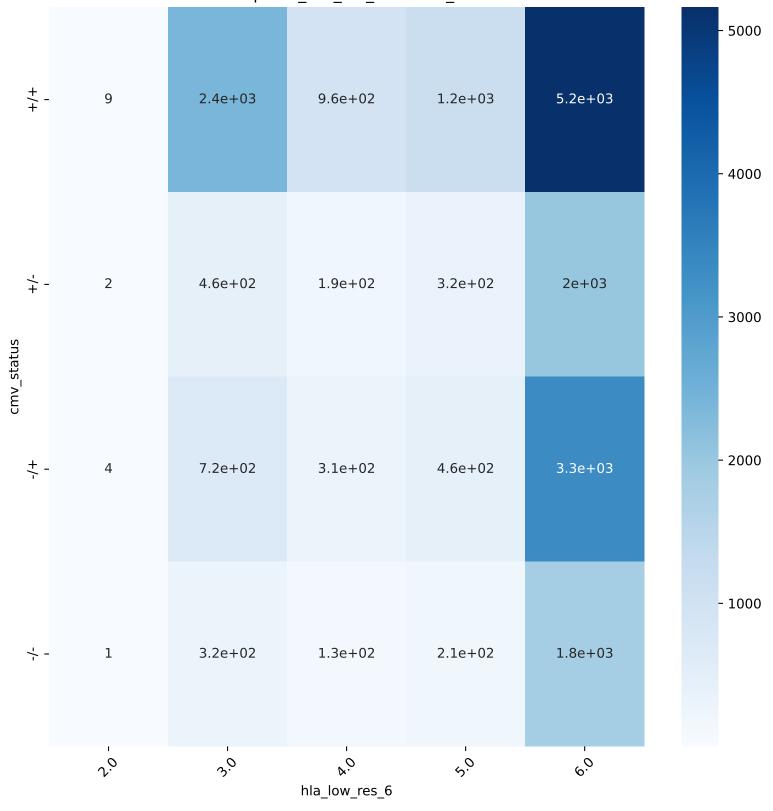
hla\_low\_res\_10

Heatmap: hla\_match\_c\_high vs cmv\_status - 6000 + -6.5e+03 34 2.7e+03 - 5000 <del>'</del>-5e+02 6 2.4e+03 - 4000 cmv\_status - 3000 <del>+</del> -14 7.7e+02 - 2000 - 1000 9 3.6e+02 2e+03 ^; □ hla\_match\_c\_high

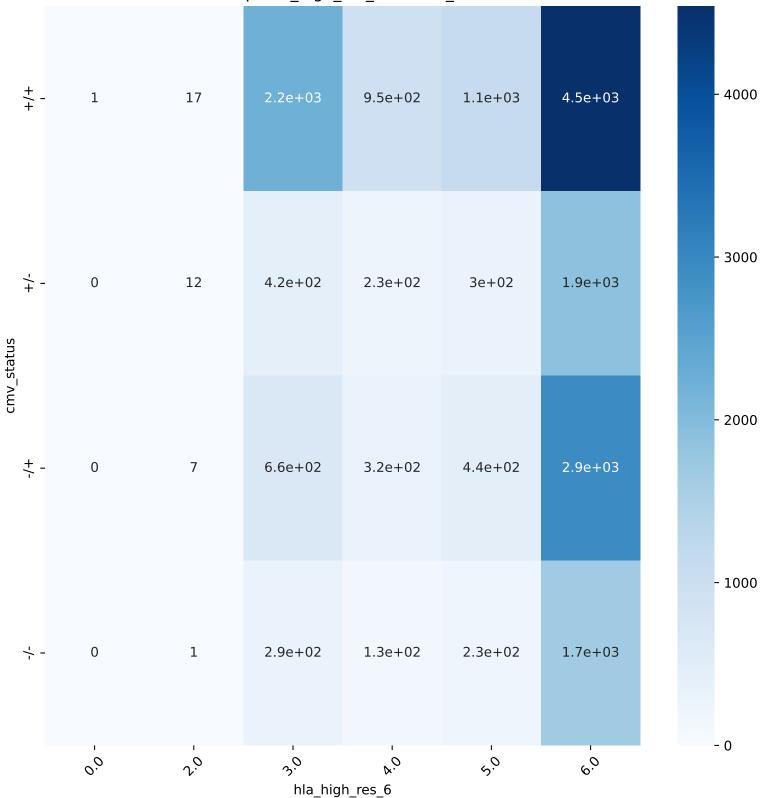
Heatmap: hla\_high\_res\_8 vs cmv\_status



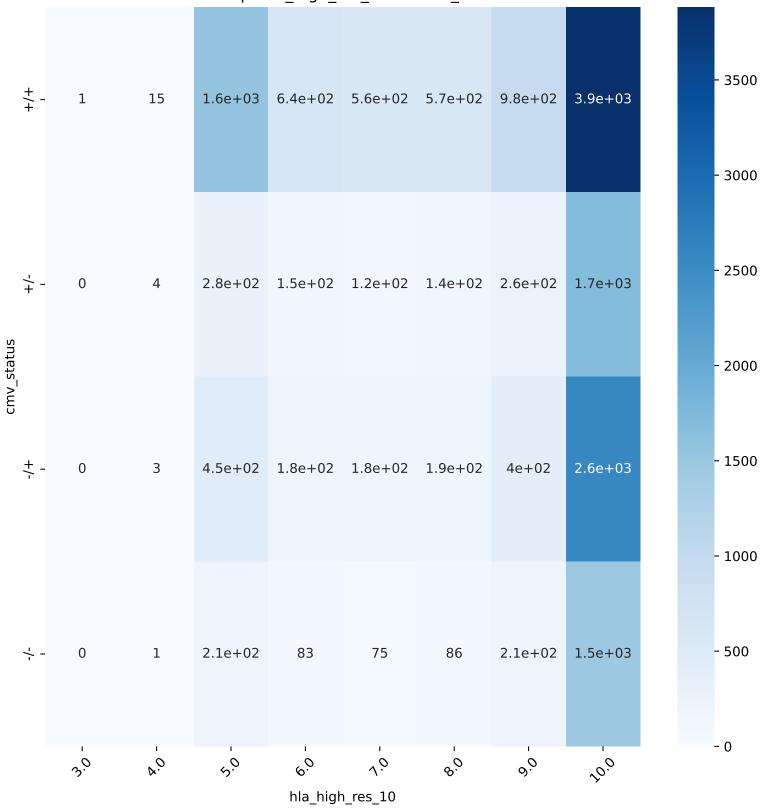
Heatmap: hla\_low\_res\_6 vs cmv\_status



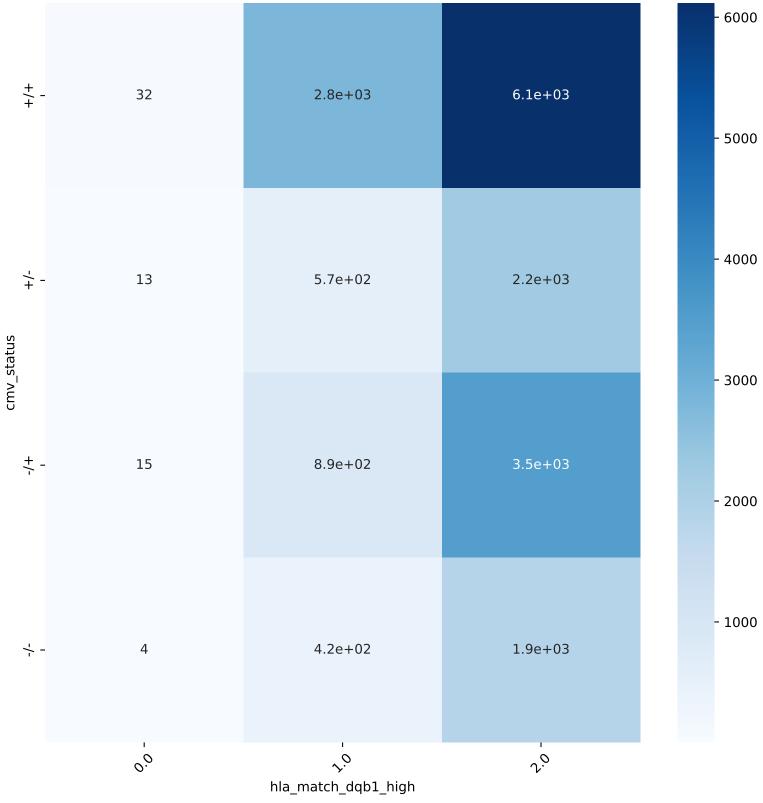
Heatmap: hla\_high\_res\_6 vs cmv\_status



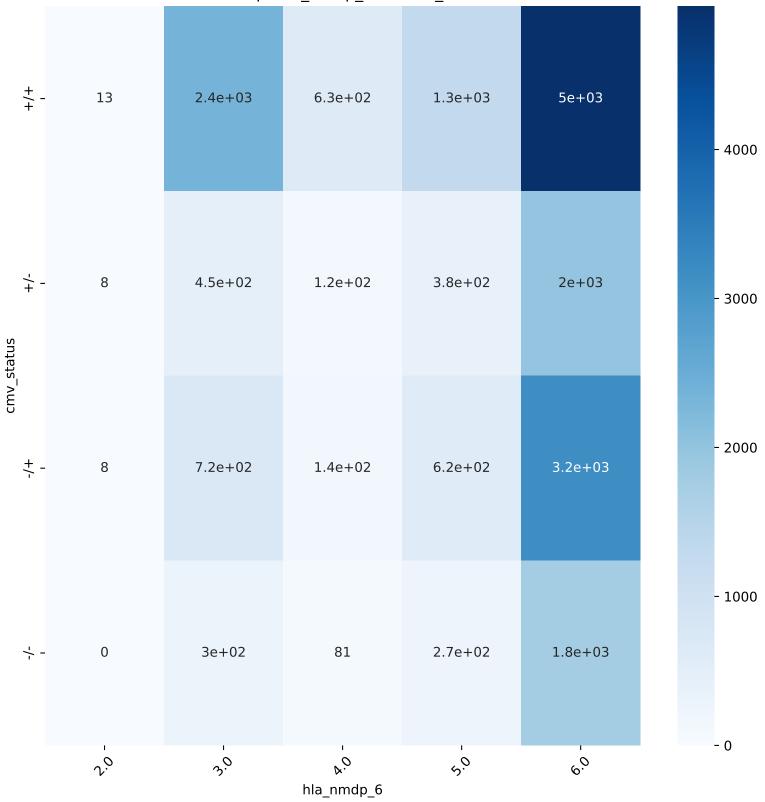
Heatmap: hla\_high\_res\_10 vs cmv\_status



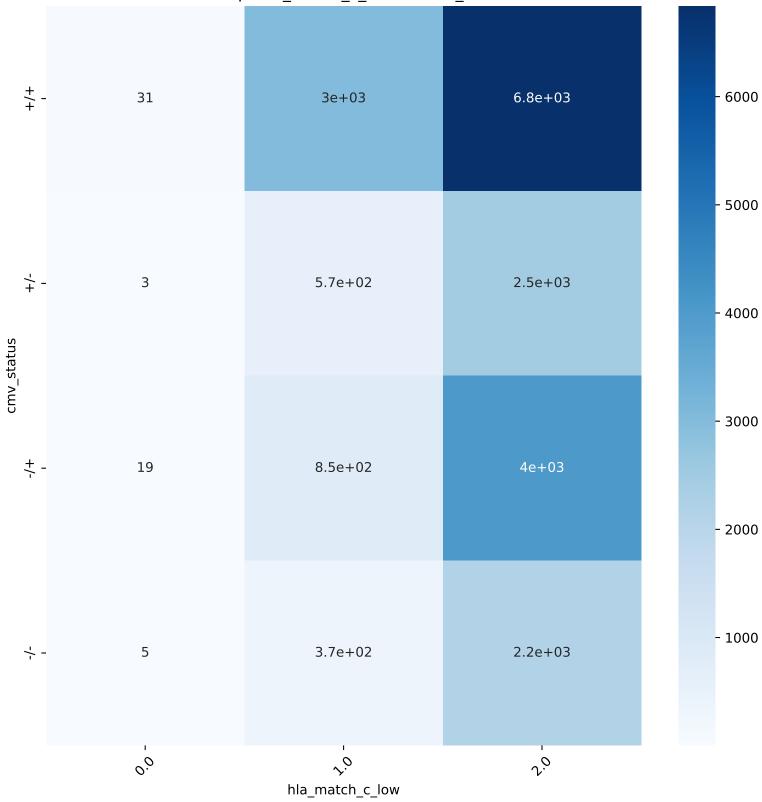
Heatmap: hla\_match\_dqb1\_high vs cmv\_status

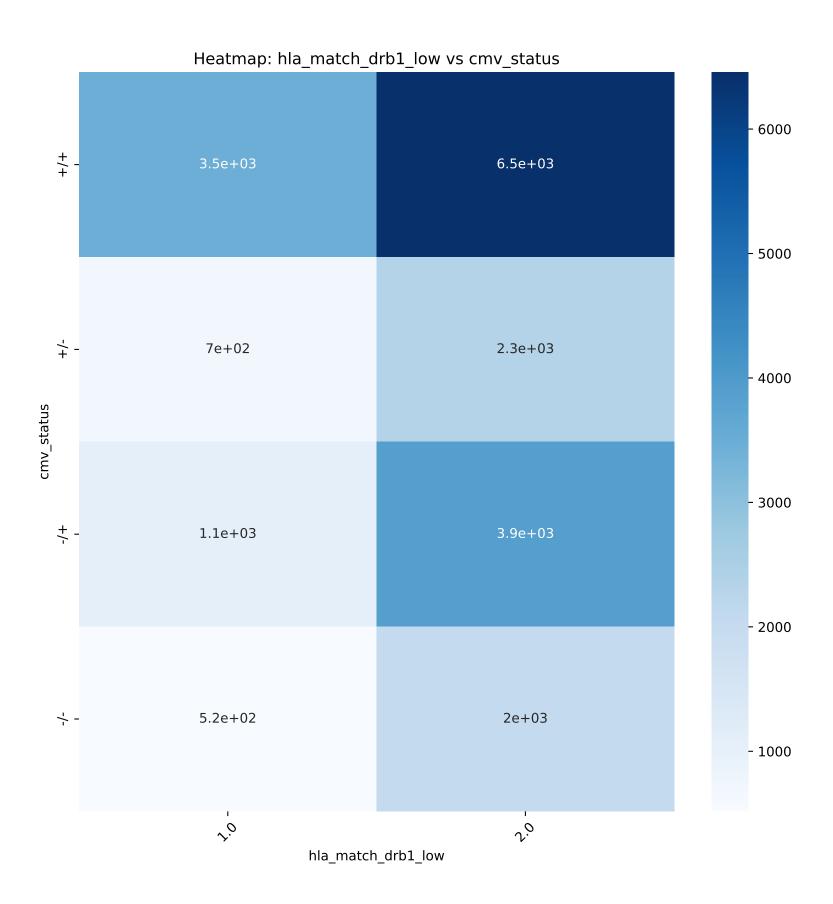


Heatmap: hla\_nmdp\_6 vs cmv\_status



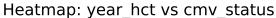
Heatmap: hla\_match\_c\_low vs cmv\_status

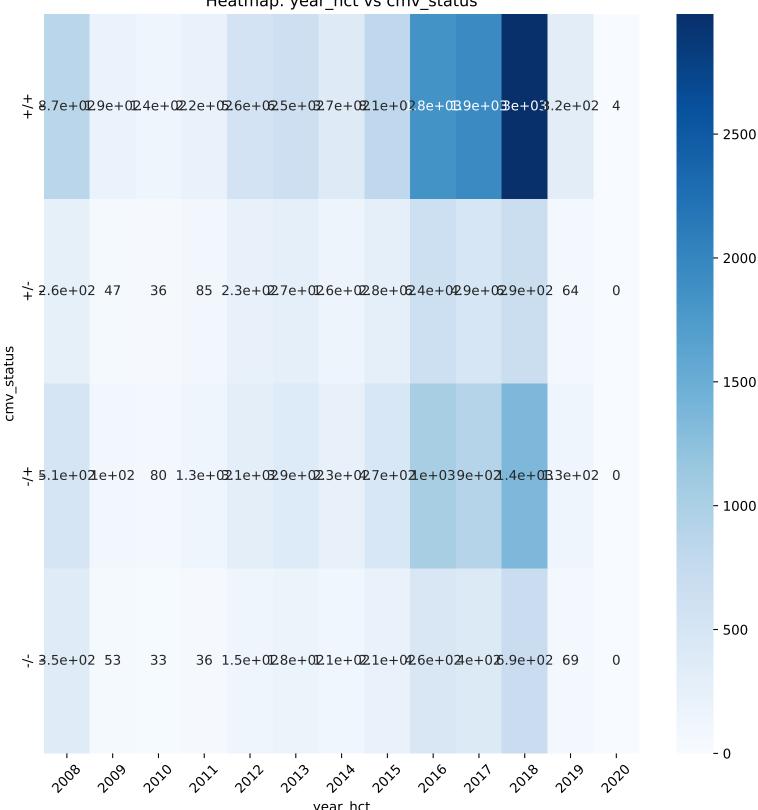


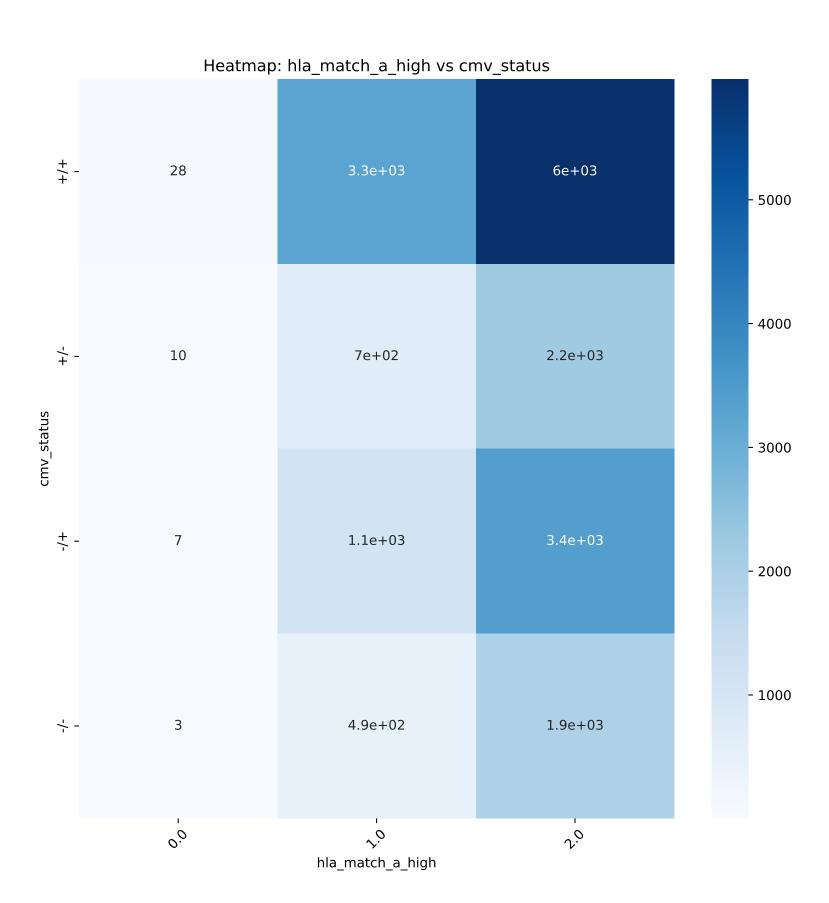


Heatmap: hla\_match\_dqb1\_low vs cmv\_status 6000 + -6.8e+03 36 2.6e+03 - 5000 <del>'</del>-13 4.7e+02 2.4e+03 4000 cmv\_status - 3000 <del>+</del> -14 7.7e+02 3.8e+03 - 2000 - 1000 8 3.7e+02 2e+03 ^; □

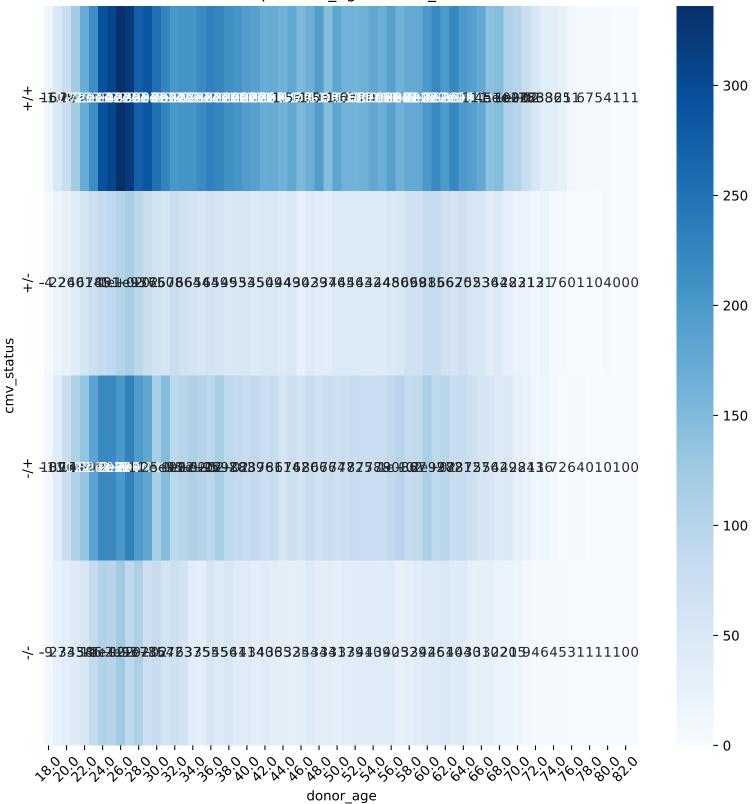
hla\_match\_dqb1\_low



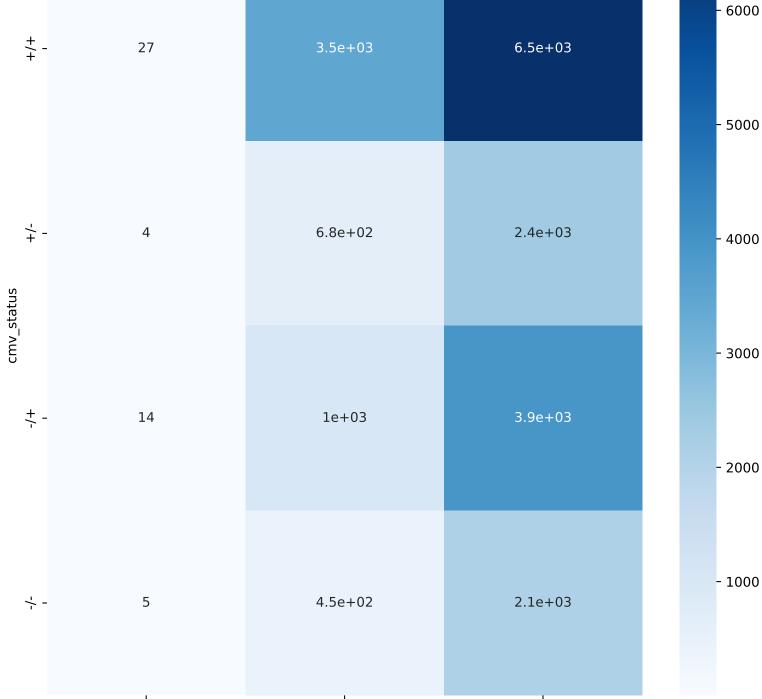


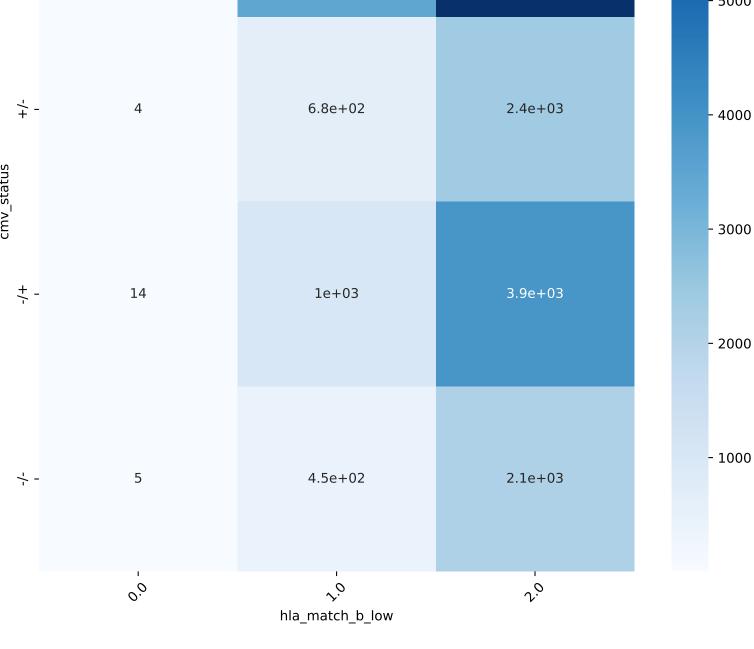




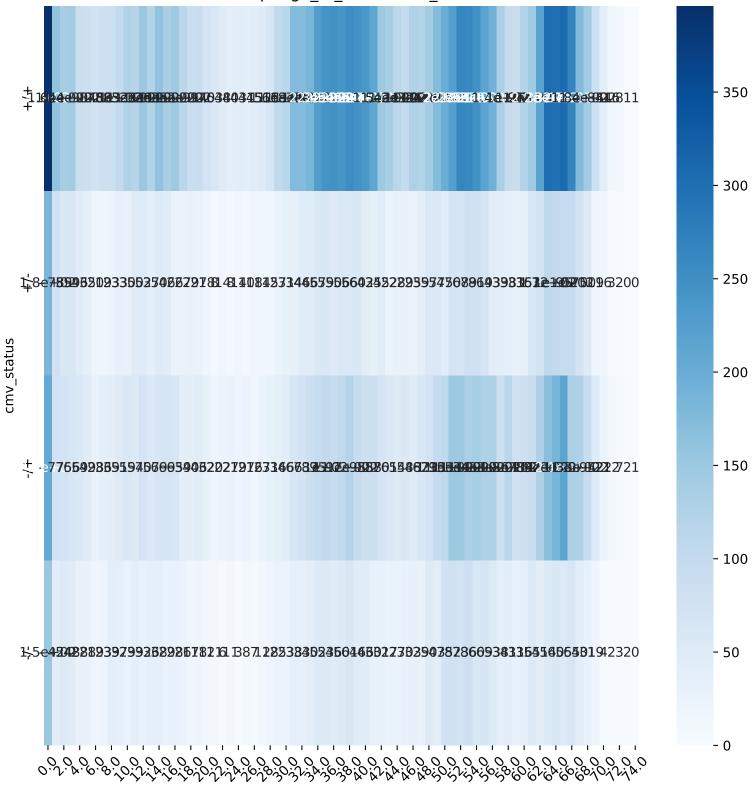


Heatmap: hla\_match\_b\_low vs cmv\_status 3.5e+03 6.5e+03

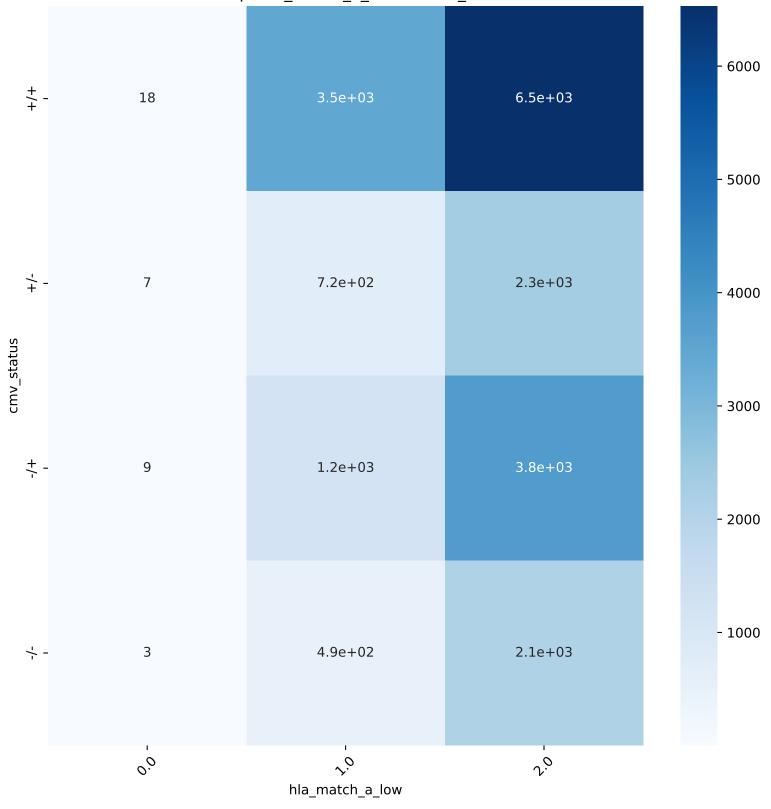


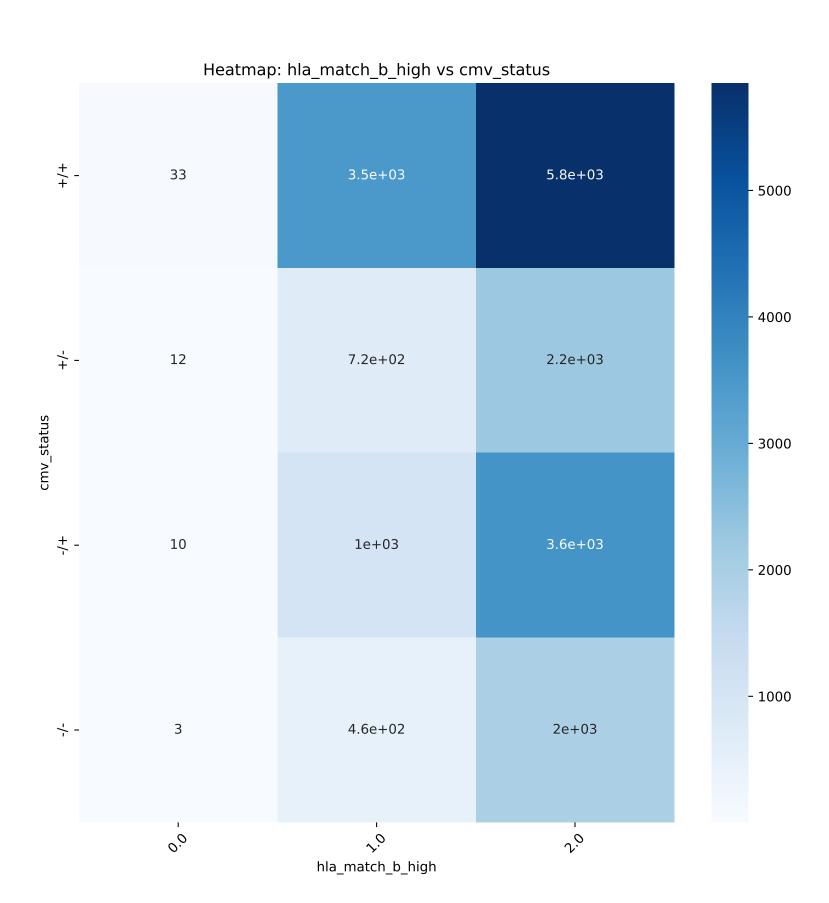


## Heatmap: age\_at\_hct vs cmv\_status

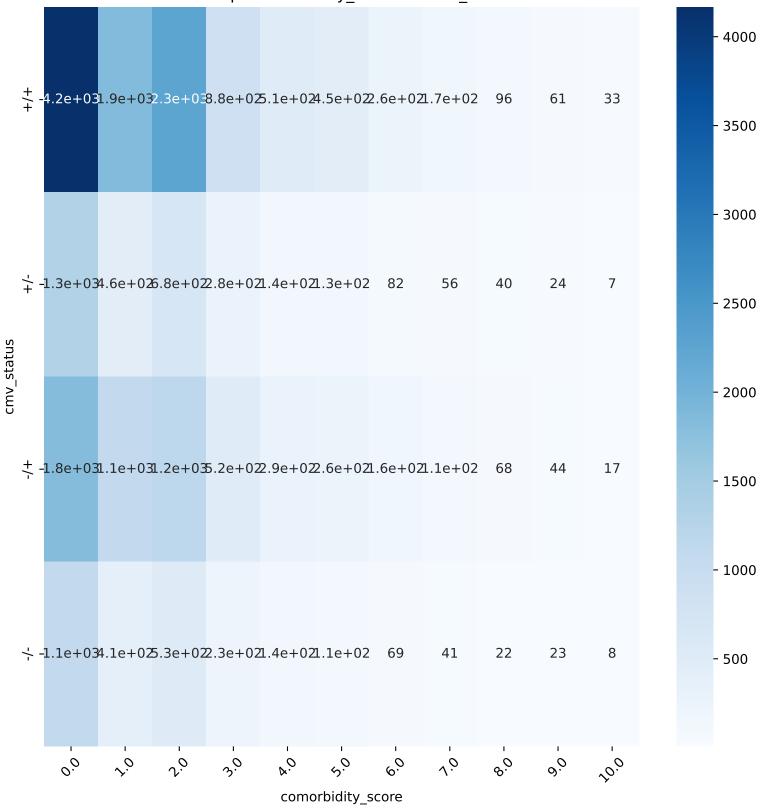


Heatmap: hla\_match\_a\_low vs cmv\_status

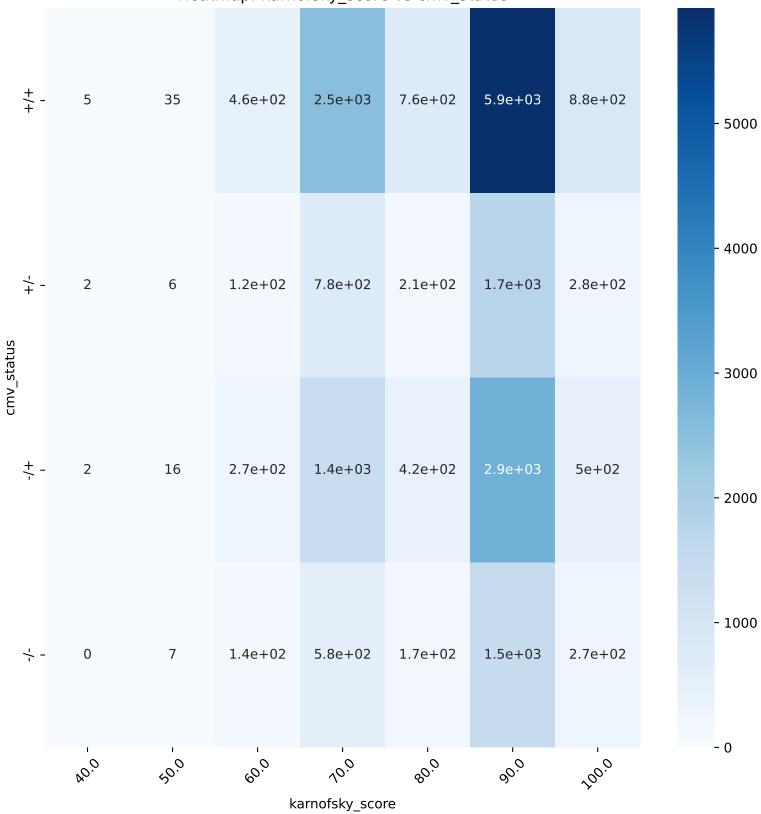




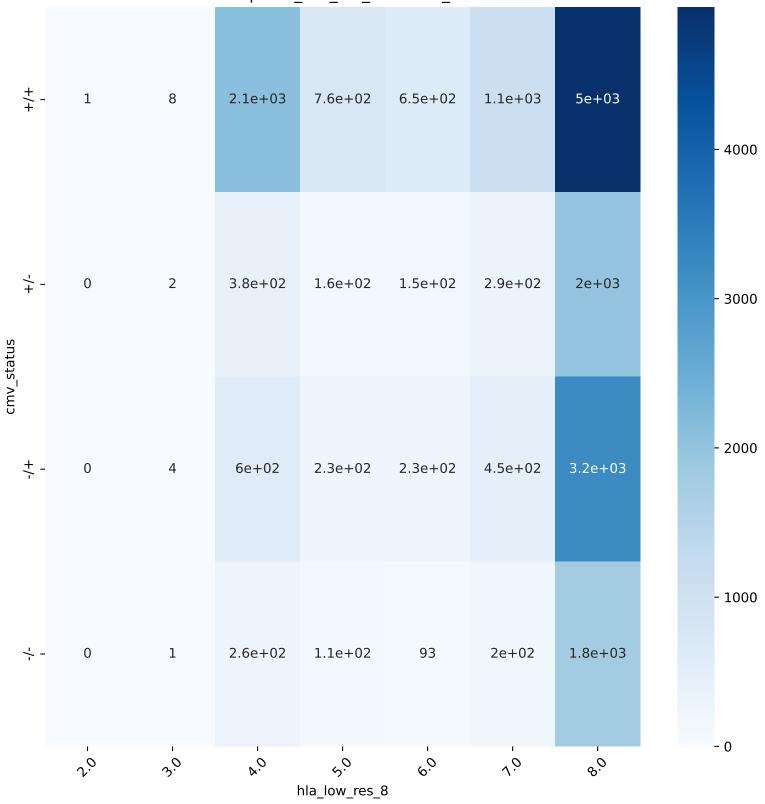
Heatmap: comorbidity\_score vs cmv\_status



Heatmap: karnofsky\_score vs cmv\_status



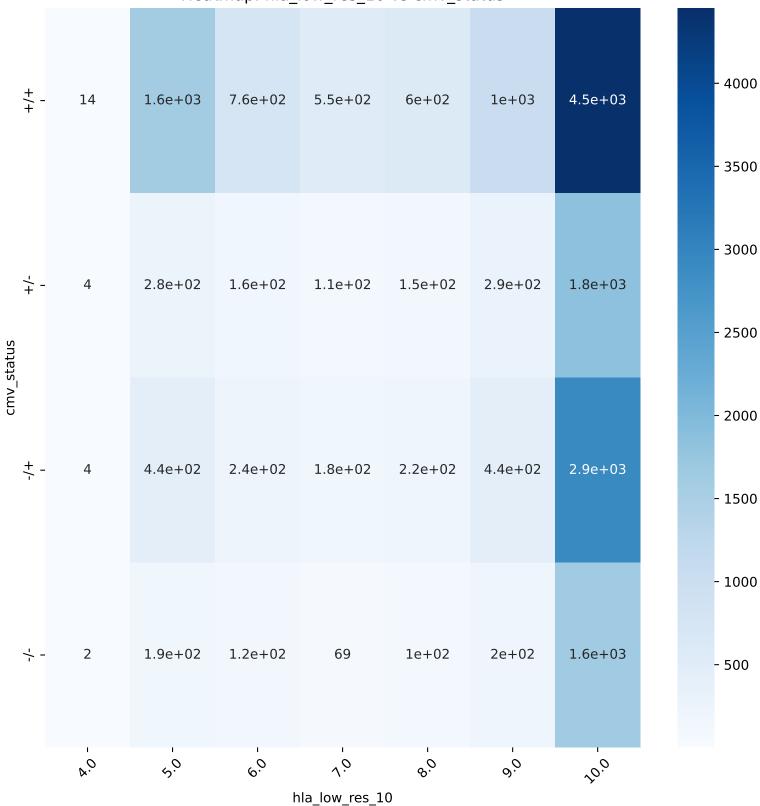
Heatmap: hla\_low\_res\_8 vs cmv\_status



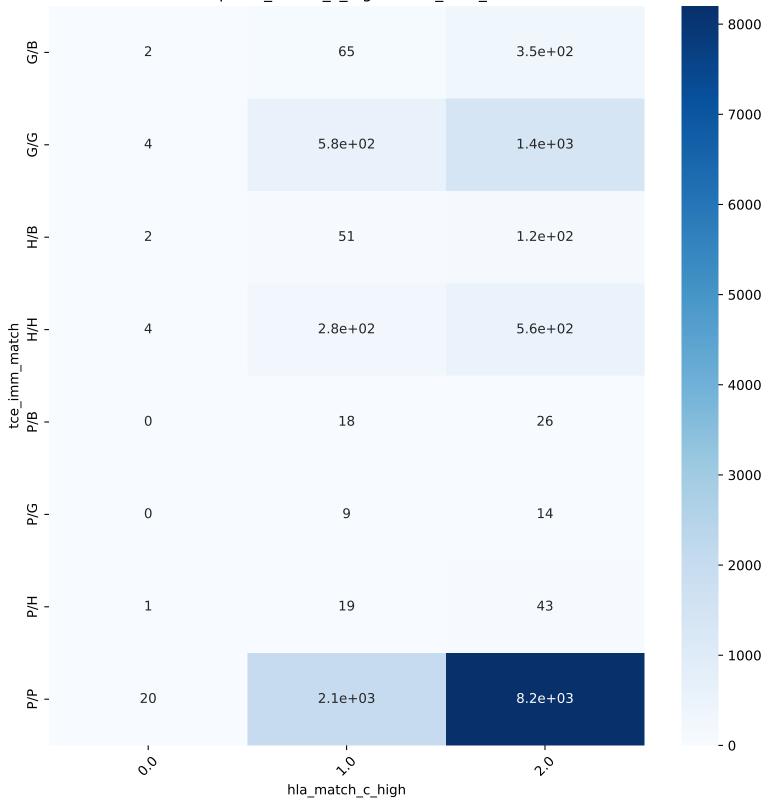
Heatmap: hla\_match\_drb1\_high vs cmv\_status 6000 + -6.2e+03 26 3.4e+03 - 5000 - 4000 <del>'</del>-10 7.2e+02 2.3e+03 cmv\_status - 3000 <del>+</del> -9 3.7e+03 1.1e+03 - 2000 - 1000 5 4.8e+02 2e+03 ^; o

hla\_match\_drb1\_high

Heatmap: hla\_low\_res\_10 vs cmv\_status



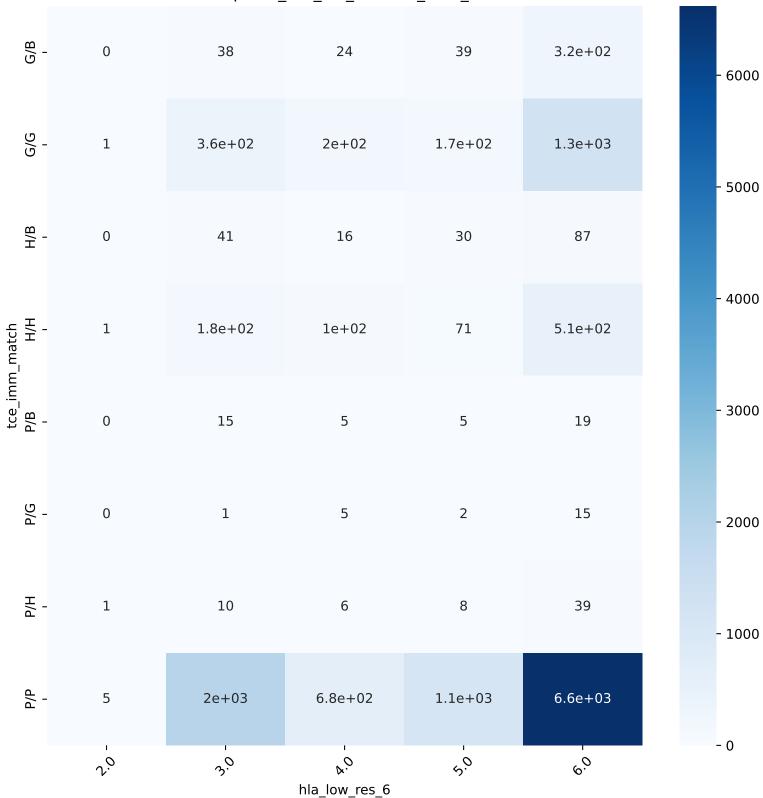
Heatmap: hla\_match\_c\_high vs tce\_imm\_match



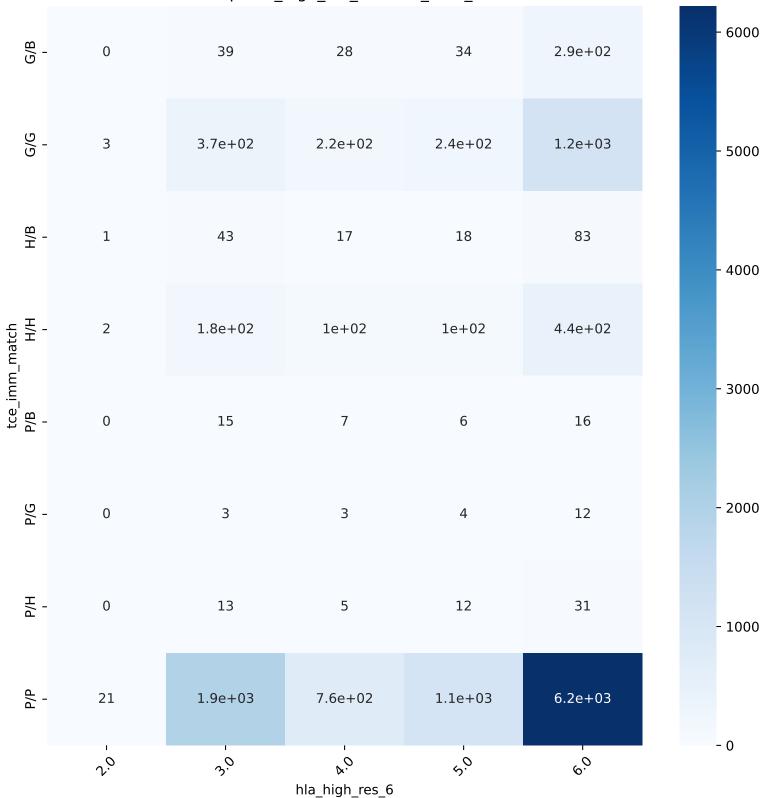
Heatmap: hla\_high\_res\_8 vs tce\_imm\_match

G/B -	0	0	35	16	25	33	2.8e+02	- 6000
9/9	1	2	3.4e+02	1.7e+02	1.4e+02	1.8e+02	1.1e+03	- 5000
H/B -	0	0	41	11	13	13	82	- 4000
tce_imm_match P/B H/H '	0	3	1.5e+02	99	55	76	4.3e+02	
tce_imn P/B '	0	0	14	4	3	7	14	- 3000
P/G -	0	0	3	2	2	5	10	- 2000
P/H -	0	0	13	2	5	10	29	- 1000
P/P -	0	10	1.6e+03	6.1e+02	6e+02	1e+03	6.1e+03	
	2.0	3.	,0 h	ہ م اla_high_res_{	, , ,	70	80	- 0

Heatmap: hla\_low\_res\_6 vs tce\_imm\_match

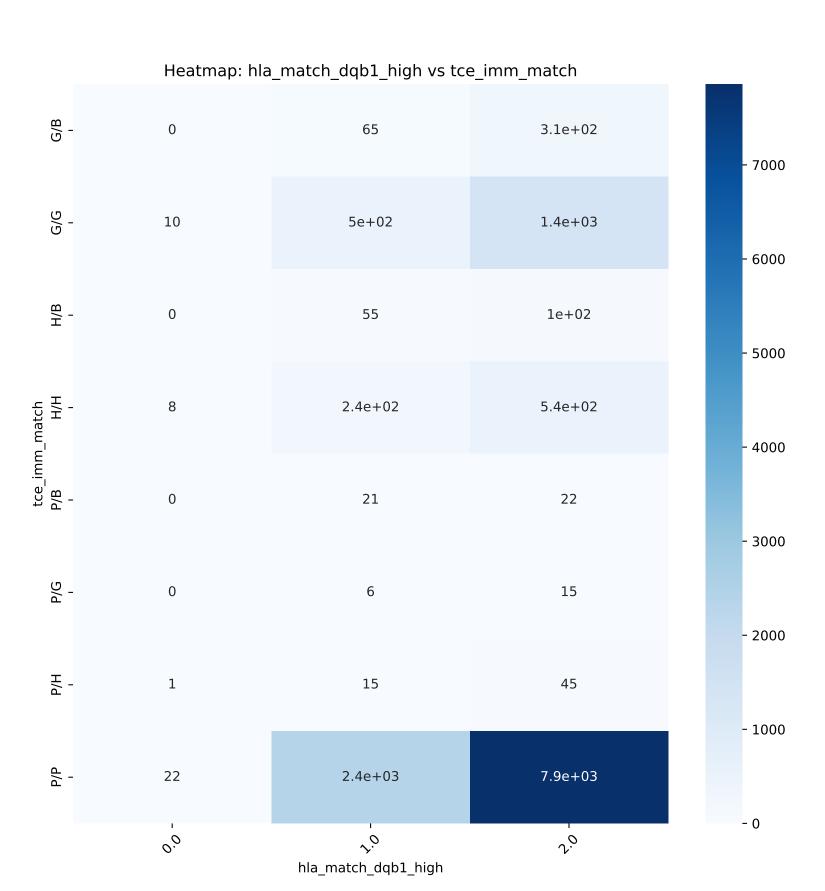


Heatmap: hla\_high\_res\_6 vs tce\_imm\_match

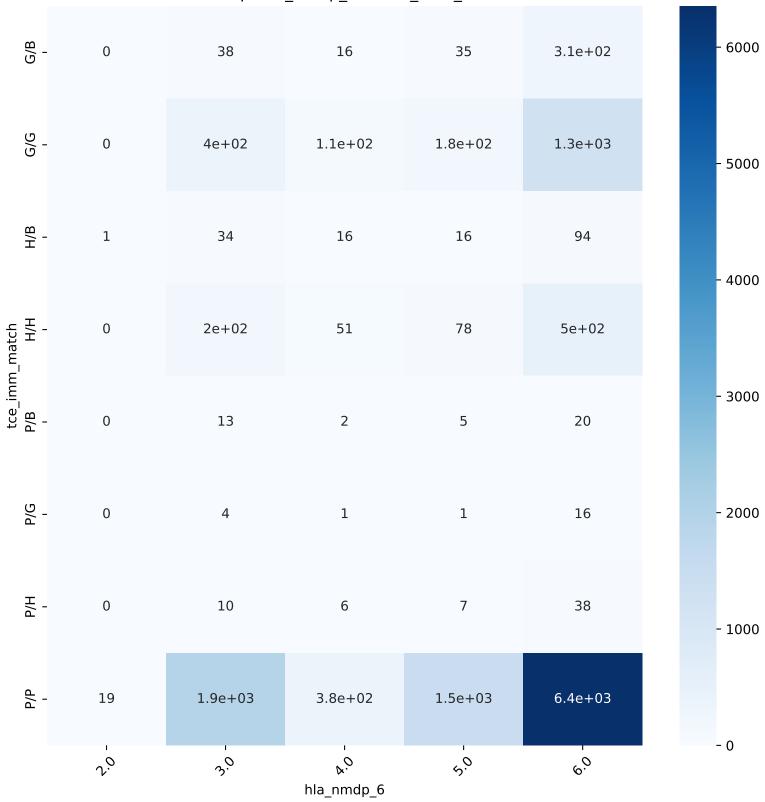


Heatmap: hla\_high\_res\_10 vs tce\_imm\_match

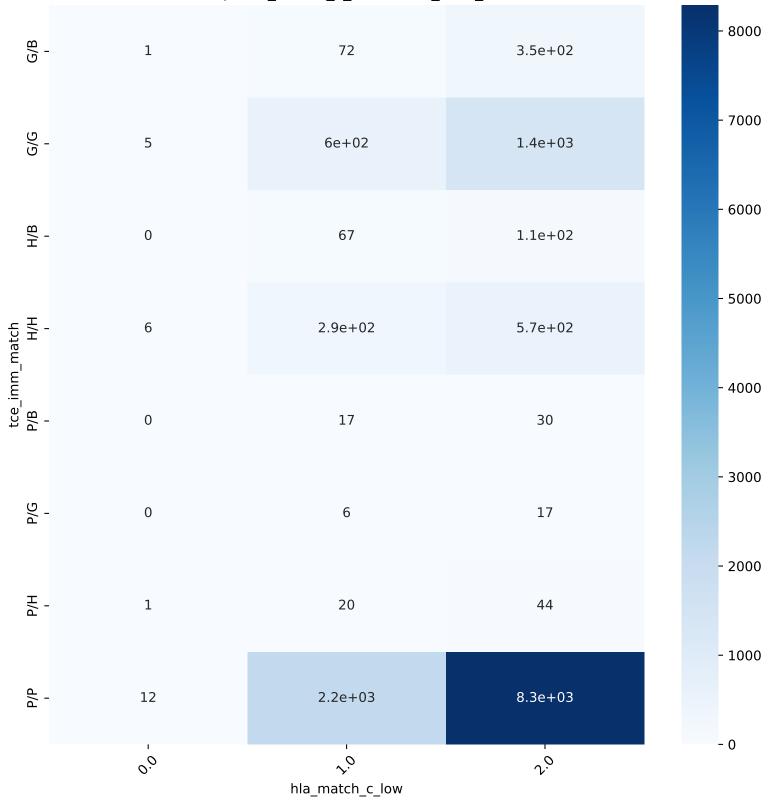
			•		_				
G/B -	0	0	25	17	14	16	41	2.5e+02	
9/9	1	4	2.9e+02	1.4e+02	1e+02	1.2e+02	1.8e+02	1.1e+03	- 5000
H/B	0	0	34	11	7	12	19	68	- 4000
tce_imm_match P/B H/H	0	3	1.2e+02	75	58	43	80	3.8e+02	- 3000
tce_imm P/B '	0	0	12	6	0	5	5	13	
P/G -	0	0	3	1	1	1	5	9	- 2000
P/H -	0	0	8	7	3	4	10	25	- 1000
P/P -	0	10	1.4e+03	5.2e+02	4.7e+02	5.6e+02	1.1e+03	5.9e+03	
	3.0	<b>%</b> .0	8.0	6.0	10	8.0	00	200	- 0
				hla_high	_res_10				

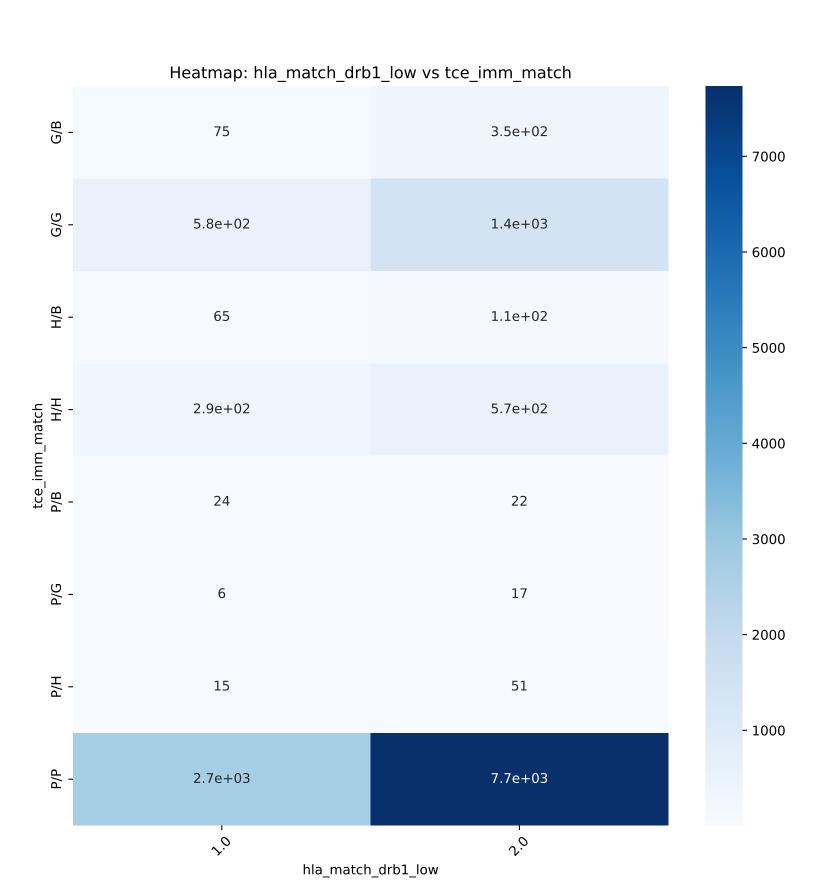


Heatmap: hla\_nmdp\_6 vs tce\_imm\_match

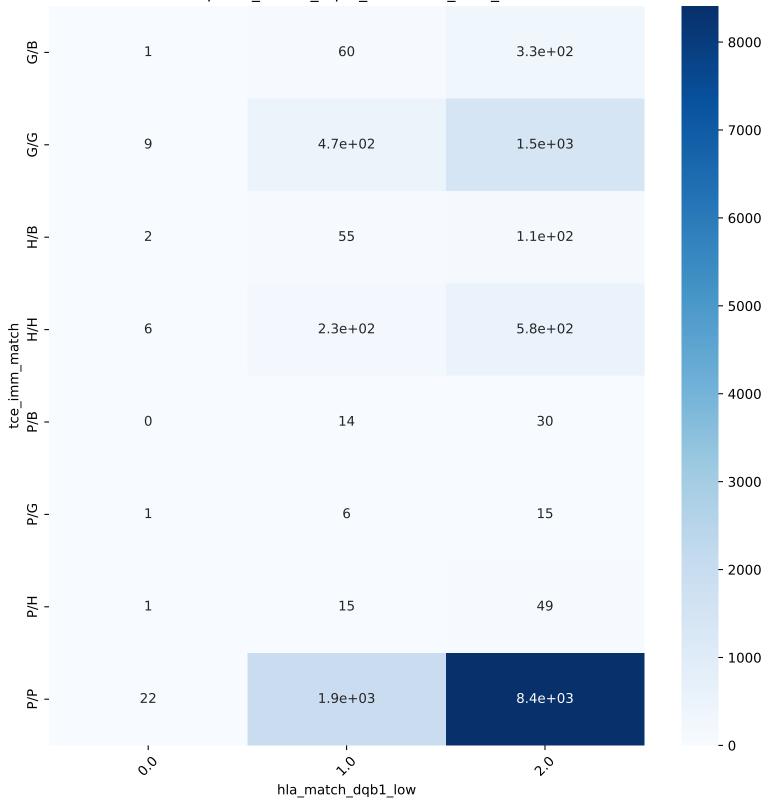


Heatmap: hla\_match\_c\_low vs tce\_imm\_match





Heatmap: hla\_match\_dqb1\_low vs tce\_imm\_match

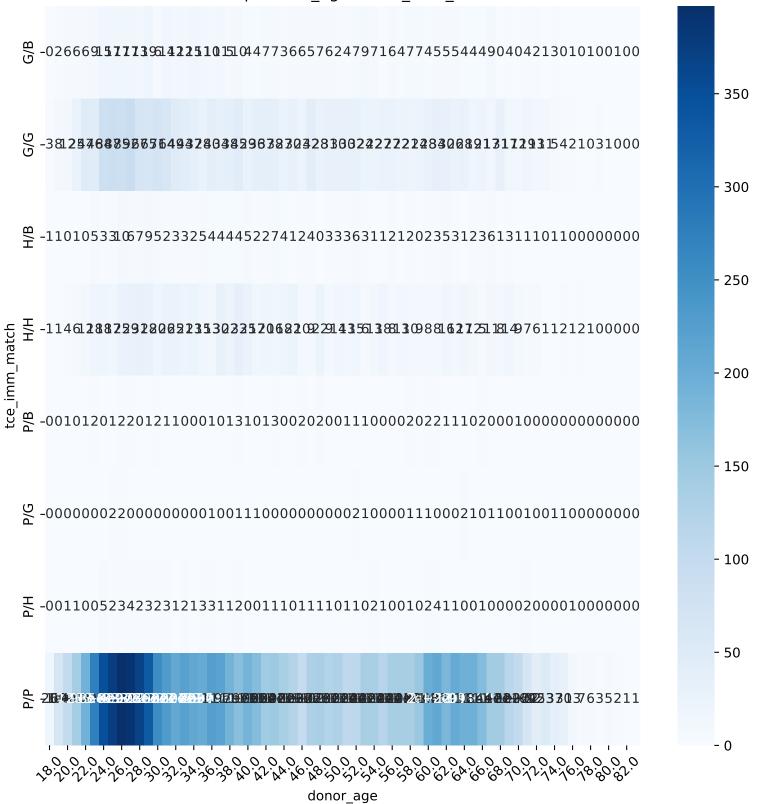


Heatmap:	year_	hct vs	tce_i	mm_	_match

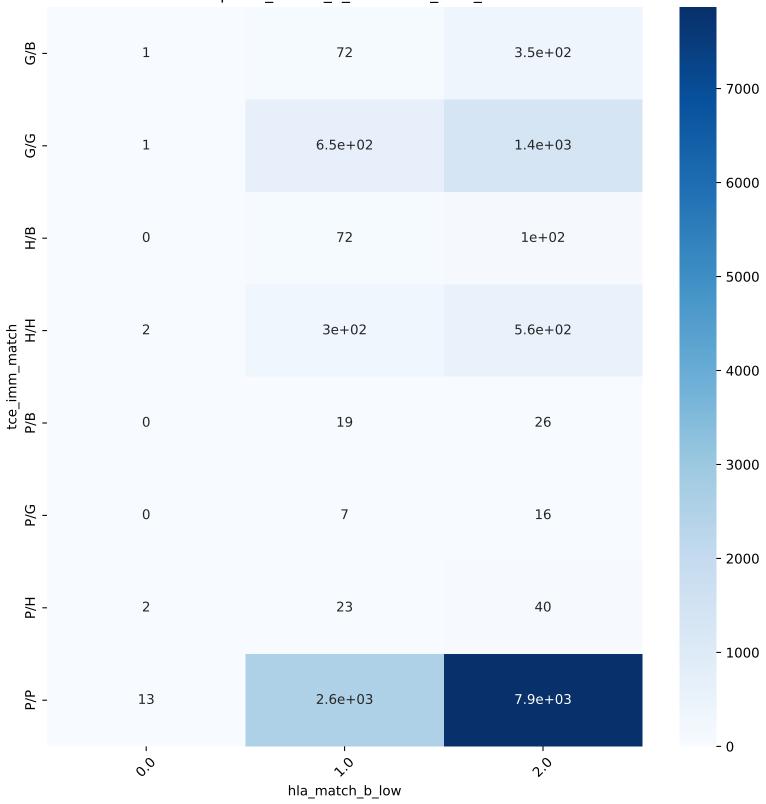
G/B -	60	11	8	4	23	37	21	28	68	64	91	13	0		
9/9	7e+02	2 25	25	49	1.2e+01	25e+01	22e+02	90	2.8e+Œ	<b>2</b> 3e+05	29e+02	88	2		- 2500
H/B	17	5	0	2	7	12	9	11	31	27	47	9	0		- 2000
_match H/H	1e+02	18	15	20	42	50	47	64	1.4e+0	<b>2</b> .3e+02	21e+02 13	32	0		- 1500
tce_imn P/B '	2	1	0	0	2	3	2	5	10	6	13	3	0		2500
P/G	1	1	0	1	2	2	3	2	1	0	10	0	0		- 1000
P/H -	7	2	1	0	3	5	2	5	16	5	18	3	0	-	- 500
P/P	5.5e+02	<b>1</b> e+02	80 1	6e+0	∕26e+05	26e+0∑	23e+028	.9e+0	<b>)2</b> 1e+0	B9e+03	Be+03.	8e+0	2 1		0
	2008	2009	2020	2011	2012		၇၀ <sup>၂</sup> နဲ vear_hct		2026	2017	2018	2019	2020		- 0

Heatmap: hla\_match\_a\_high vs tce\_imm\_match 7000 G/B 0 51 3.5e+02 - 6000 9/9 4.6e+02 5 1.5e+03 5000 1 54 1.1e+02 tce\_imm\_match P/B H/H 4000 2.2e+02 3 6.2e+02 0 21 24 - 3000 P/G -0 5 18 - 2000 20 0 43 - 1000 7e+03 24 3.2e+03 - 0 20 hla\_match\_a\_high

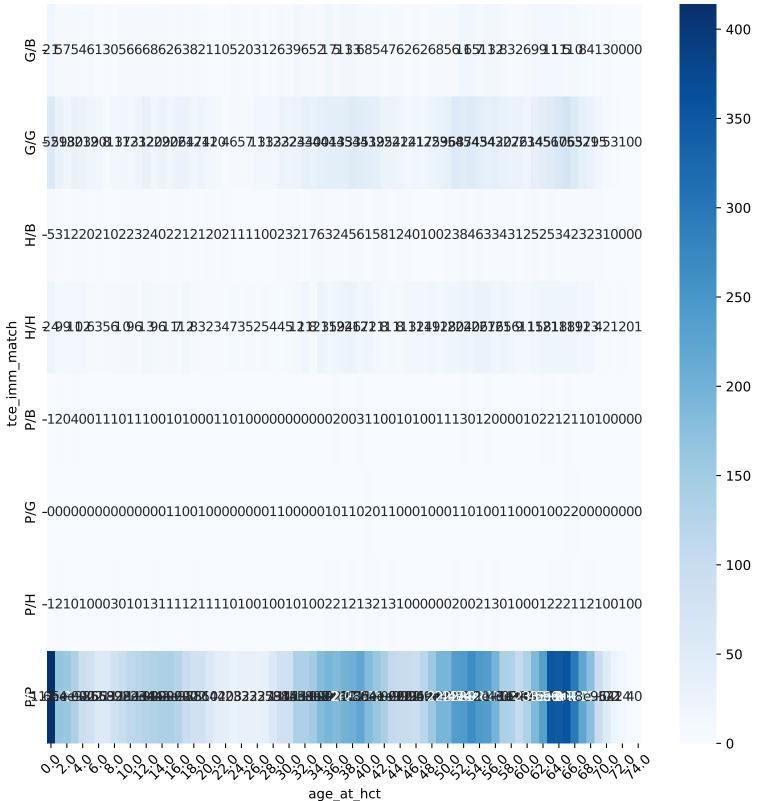
## Heatmap: donor\_age vs tce\_imm\_match



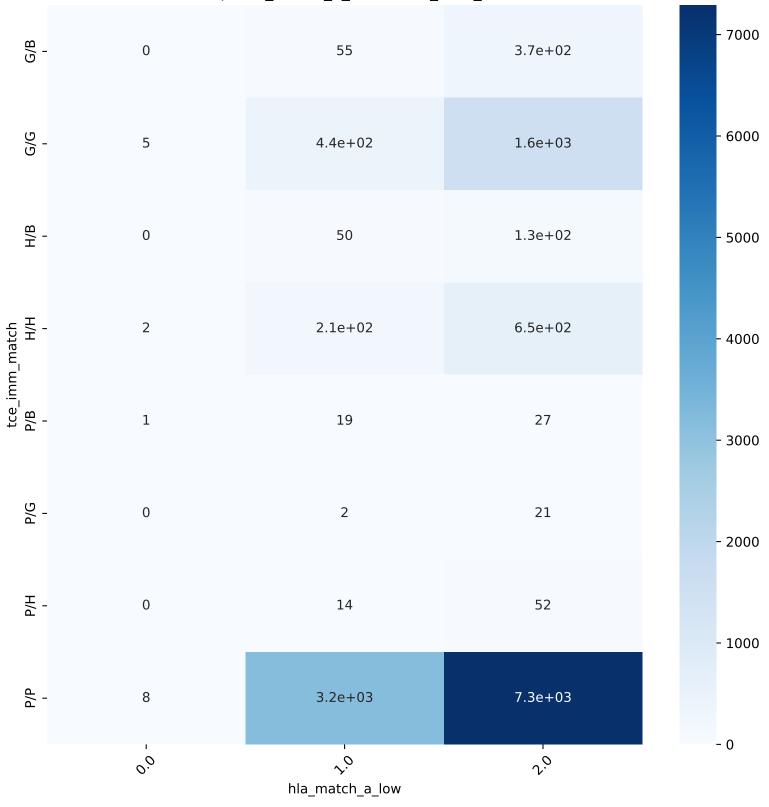
Heatmap: hla\_match\_b\_low vs tce\_imm\_match



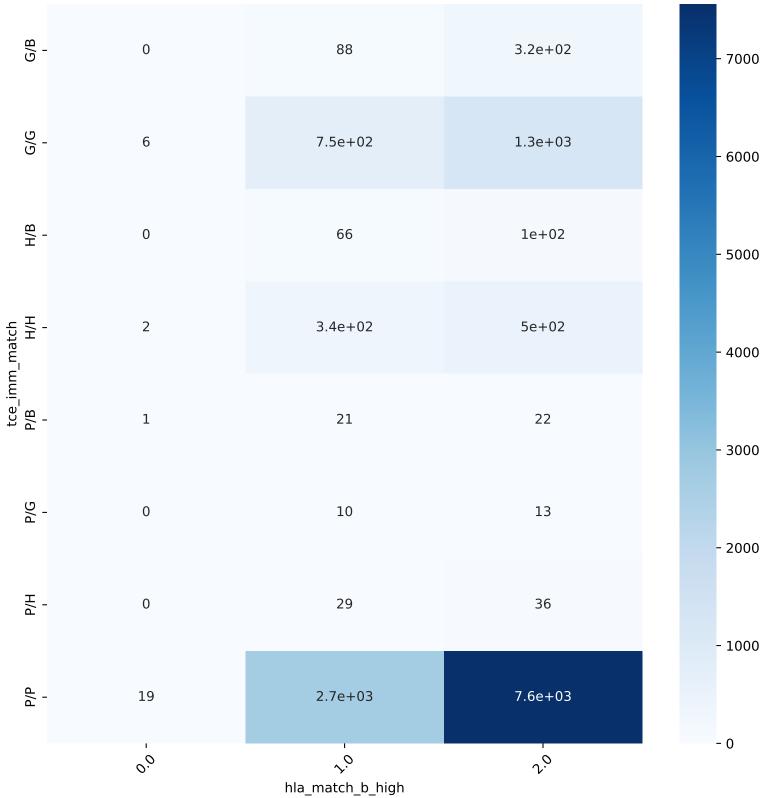
## Heatmap: age\_at\_hct vs tce\_imm\_match



Heatmap: hla\_match\_a\_low vs tce\_imm\_match



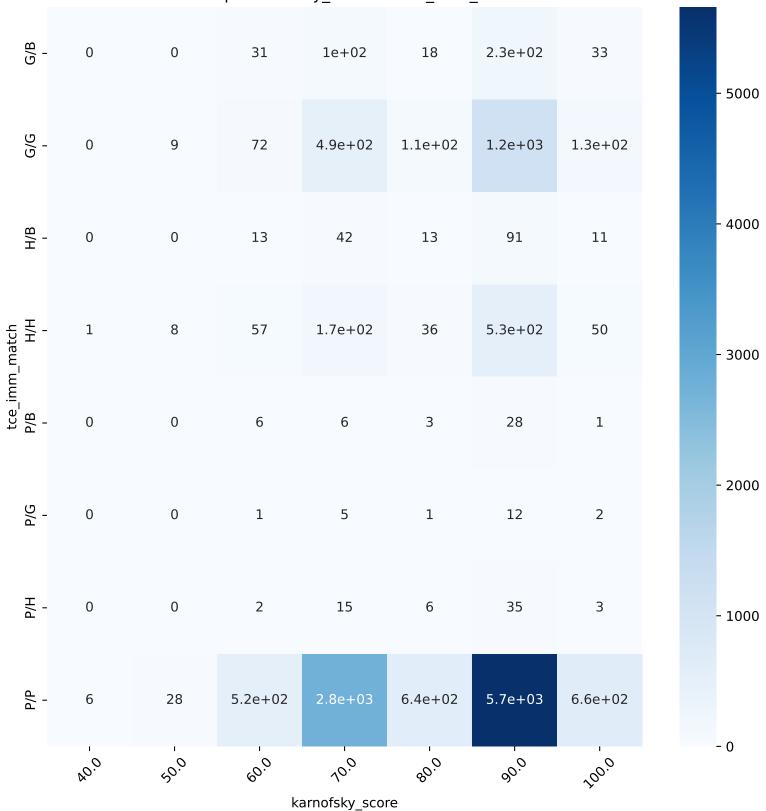
Heatmap: hla\_match\_b\_high vs tce\_imm\_match



Heatmap: comorbidity\_score vs tce\_imm\_match

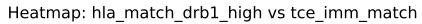
G/B	-1.7e+02	60	1e+02	33	19	16	9	8	2	4	0	- 3500	ı
9/9	6.4e+02	2.7e+02	5.1e+02	2.4e+02	1.1e+02	82	60	28	15	18	6	- 3000	1
H/B	- 52	24	46	18	10	7	7	1	4	5	0	- 2500	ļ
_match H/H	- 3e+02	1.2e+02	1.9e+02 8	82	60	48	30	14	6	5	3	- 2000	)
tce_imm P/B	- 15	7	8	7	1	6	1	1	1	0	0	- 1500	ı
P/G	- 8	1	4	4	4	0	1	0	0	1	0	- 1000	)
Ь/Н	- 15	7	16	13	1	5	0	5	2	0	0	- 500	
P/P	3.6e+03	1.6e+03	2.2e+03	9.9e+02	6.1e+025	5.3e+02	3.1e+02	2.1e+02	1.4e+02	91	37		
	0,0	<b>~</b> .0	2.0	3.0	como	్ల ర్లీ rbidity_		10	%·	9.0	20,0	- 0	

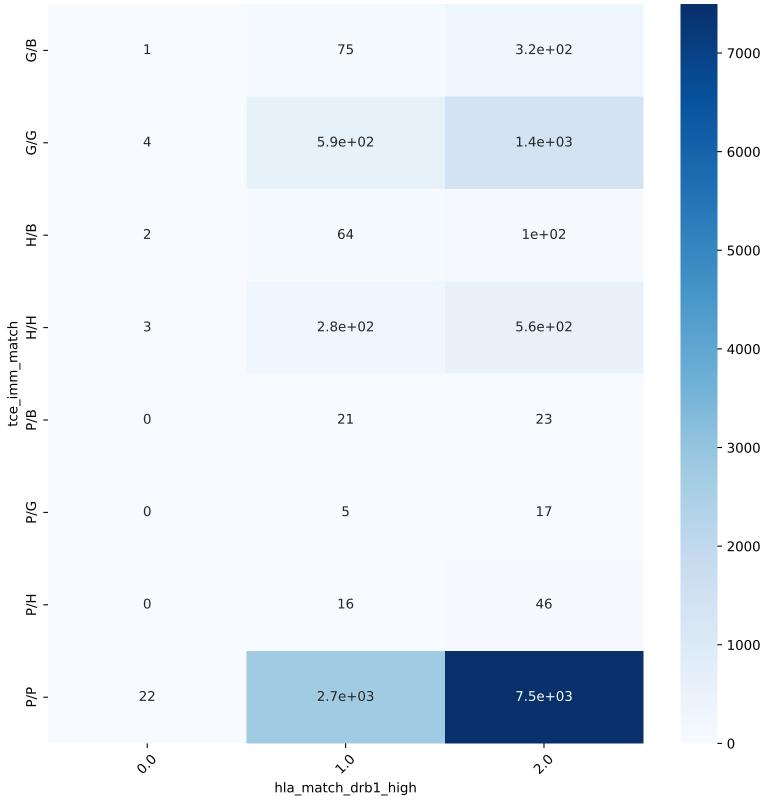
Heatmap: karnofsky\_score vs tce\_imm\_match



Heatmap: hla\_low\_res\_8 vs tce\_imm\_match

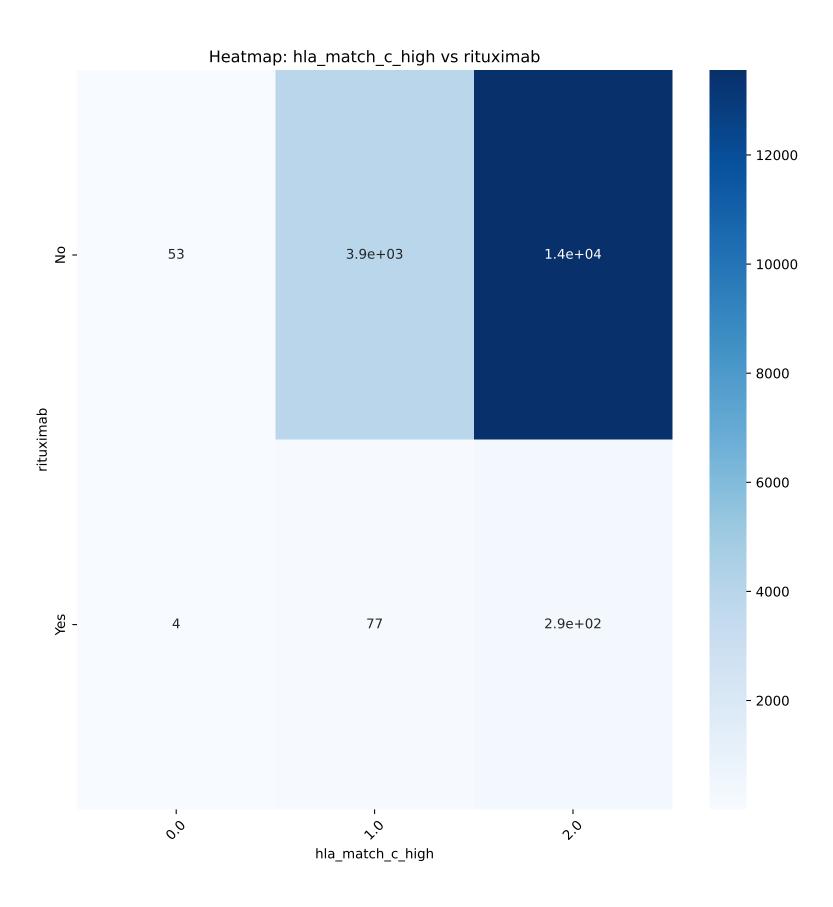
G/B -	0	33	23	18	35	3.1e+02	- 6000
9/9	1	3.4e+02	1.7e+02	1.3e+02	1.5e+02	1.2e+03	- 5000
H/B -	0	39	15	12	25	83	
_match H/H '	0	1.6e+02	95	45	71	4.8e+02	- 4000
tce_imm_match P/B H/H	0	12	5	3	6	18	- 3000
P/G -	0	1	3	3	2	14	- 2000
P/H -	1	9	6	2	8	37	- 1000
P/P -	5	1.7e+03	5e+02	5.5e+02	1.1e+03	6.5e+03	
	% <sup>.</sup>	₩.O	တွ <sup>်</sup> hla_low	ر. v_res_8	7,0	80.	- 0

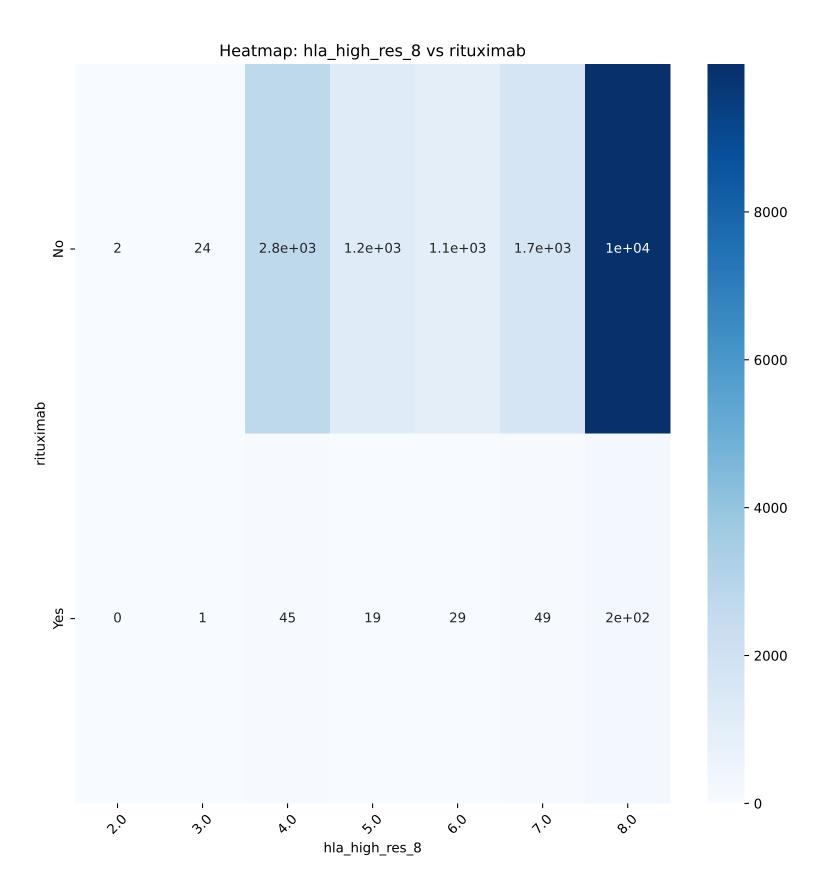


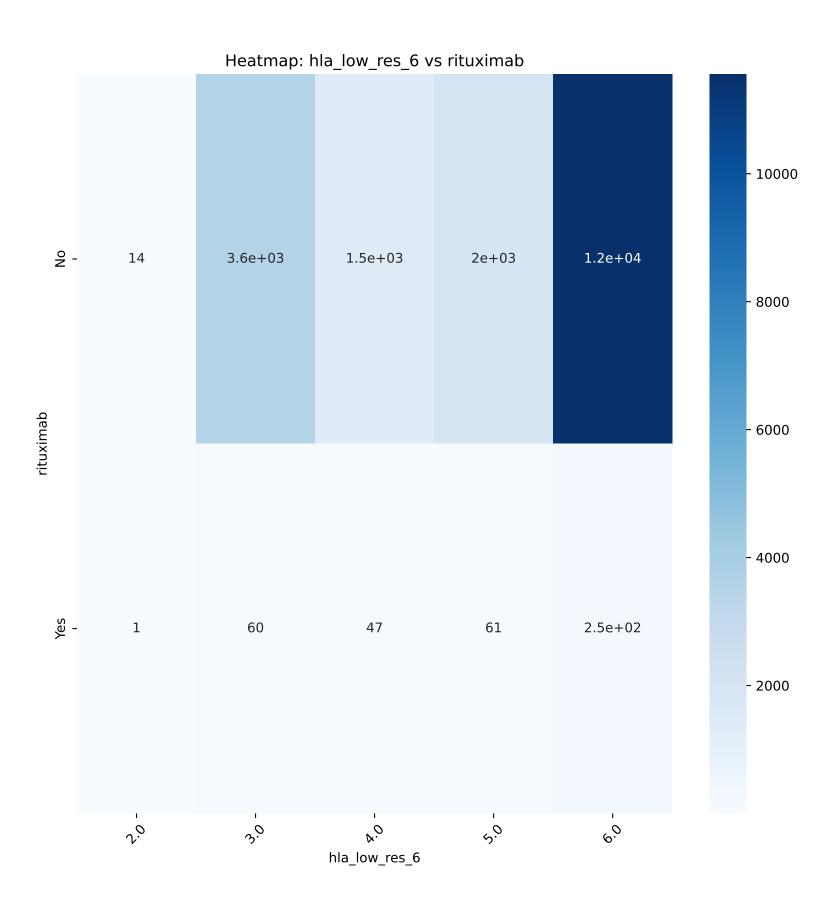


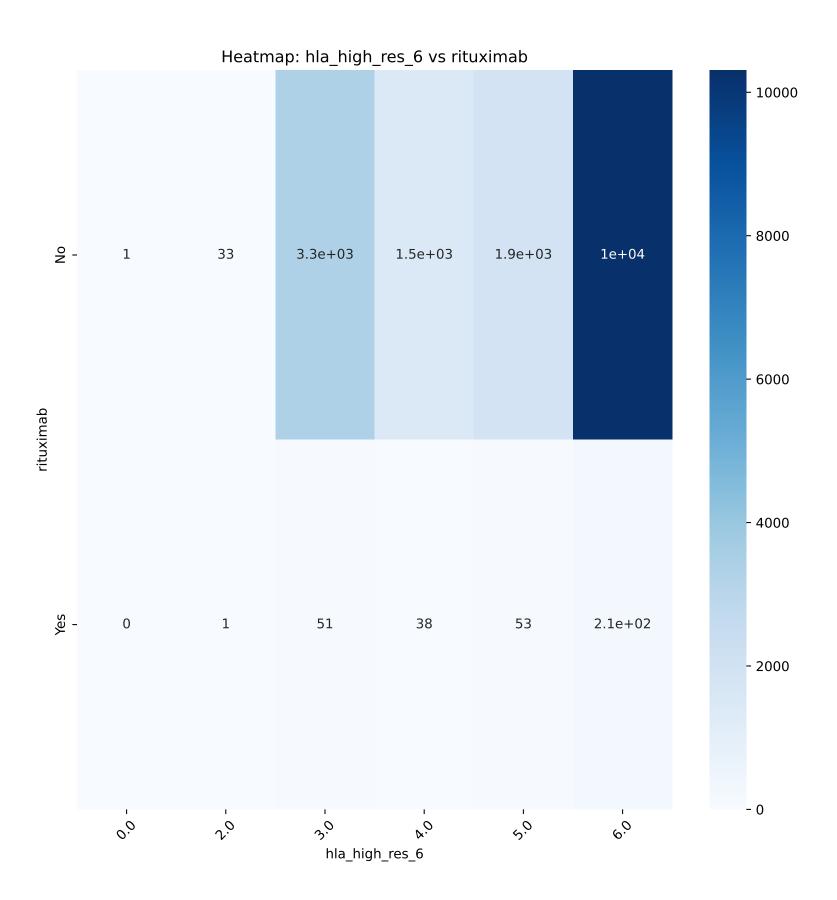
Heatmap: hla low res 10 vs tce imm match

Heatmap: hia_low_res_10 vs tce_imm_match											
G/B	0	26	20	15	16	33	2.8e+02		- 6000		
9/9	3	2.6e+02	1.6e+02	1.2e+02	1.1e+02	1.4e+02	1.1e+03		- 5000		
H/B	0	29	15	11	18	27	69		- 4000		
_match H/H	1	1.2e+02	85	59	38	76	4.3e+02				
tce_imm_match P/B H/H	0	9	3	3	4	6	17		- 3000		
P/G -	0	2	1	2	2	5	10		- 2000		
P/H -	1	5	7	3	3	9	33		- 1000		
P/P -	8	1.3e+03	6e+02	4.1e+02	5.3e+02	1.1e+03	6.3e+03				
	Ø.0	6.0	6.0	10	8.0	9.0	20,0		- 0		
				la_low_res_1			Y				

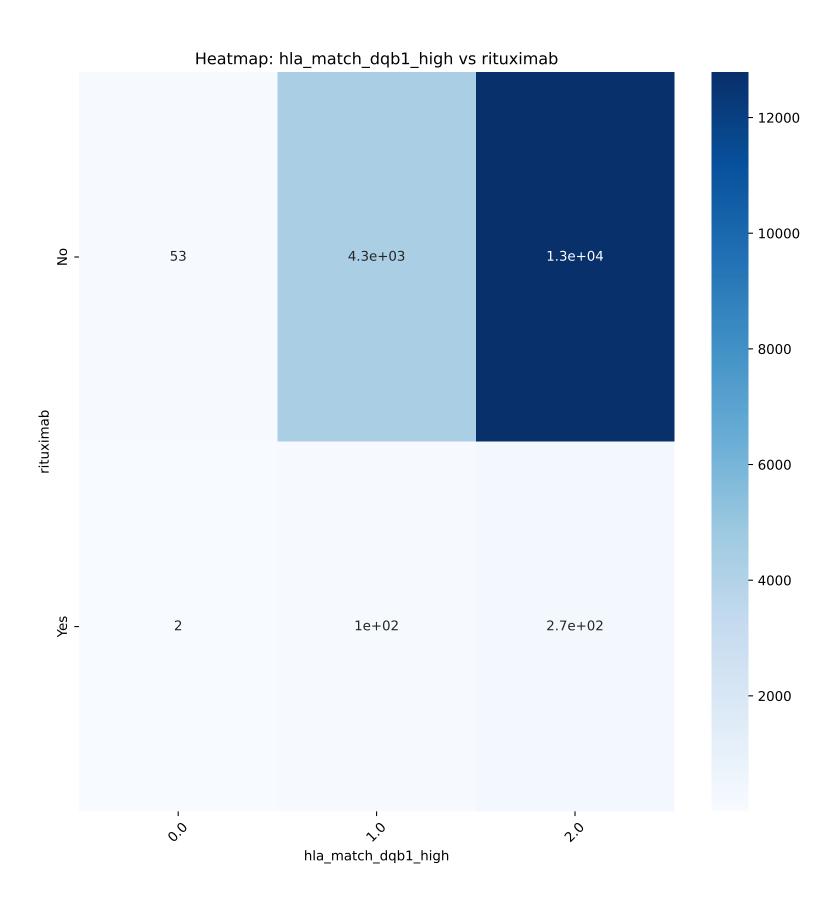


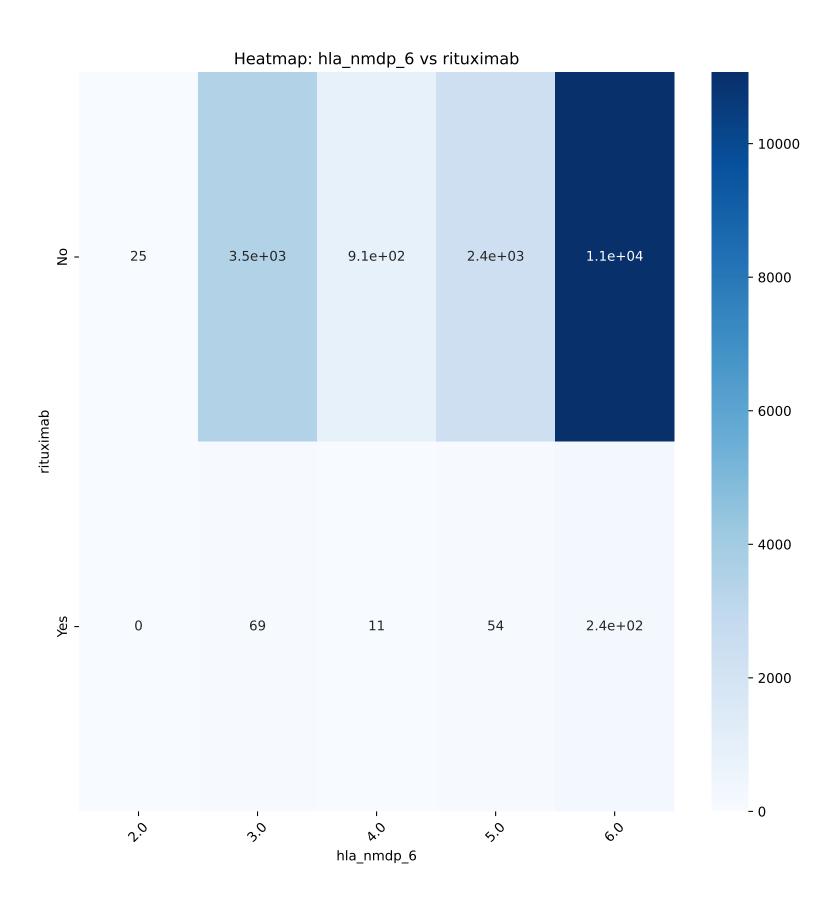


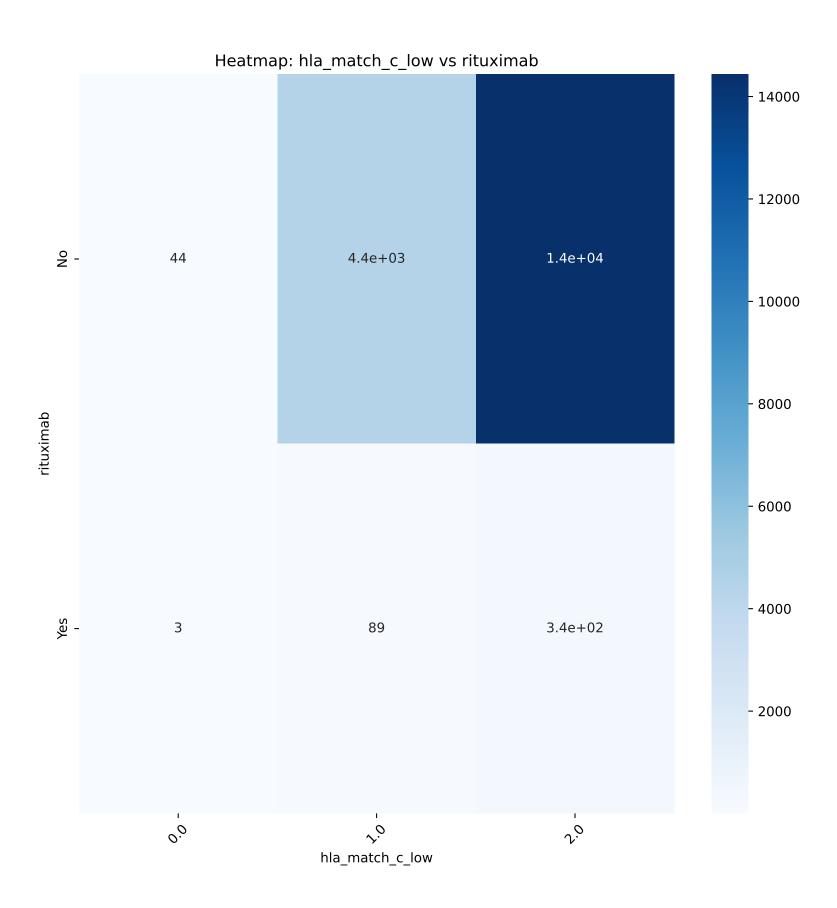


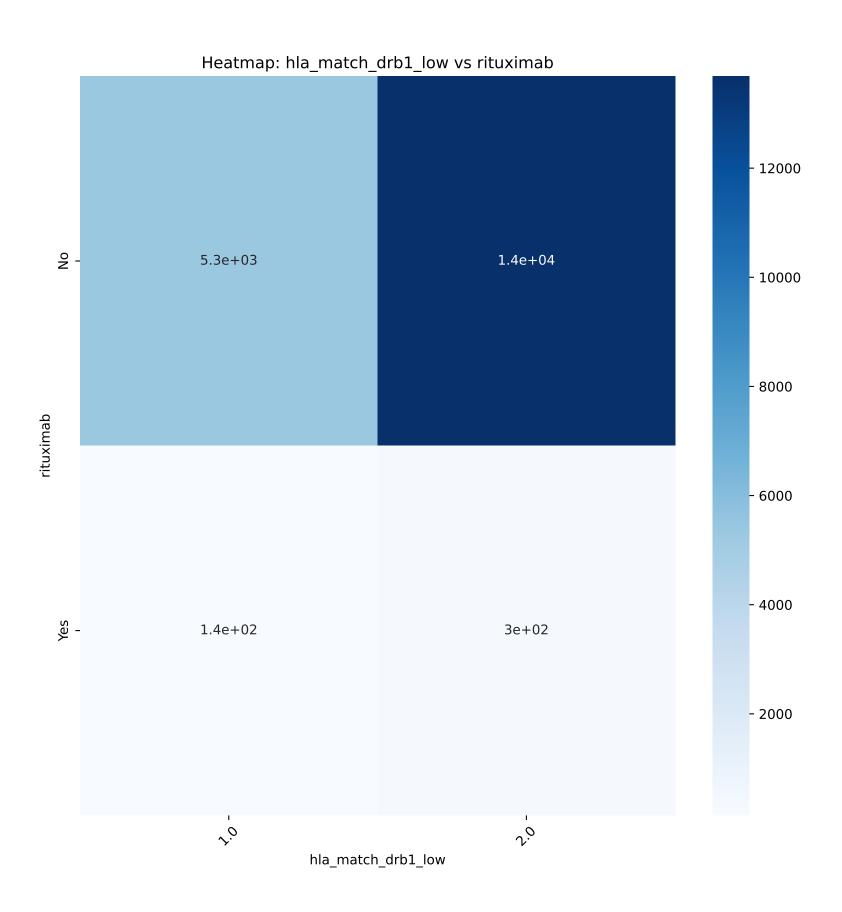


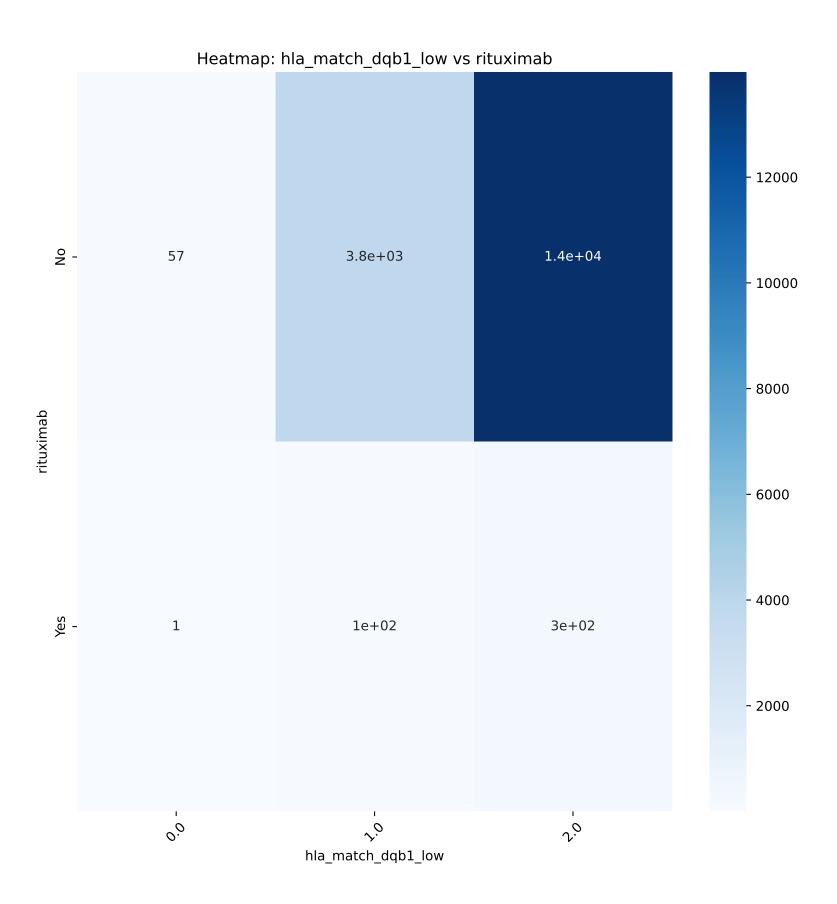
Heatmap: hla\_high\_res\_10 vs rituximab - 8000 1 19 2.3e+03 9.8e+02 8.4e+02 9.2e+02 1.7e+03 9e+03 6000 rituximab - 4000 Yes -0 0 39 14 17 23 1.7e+02 53 - 2000 \$.0 - 0 °. hla\_high\_res\_10

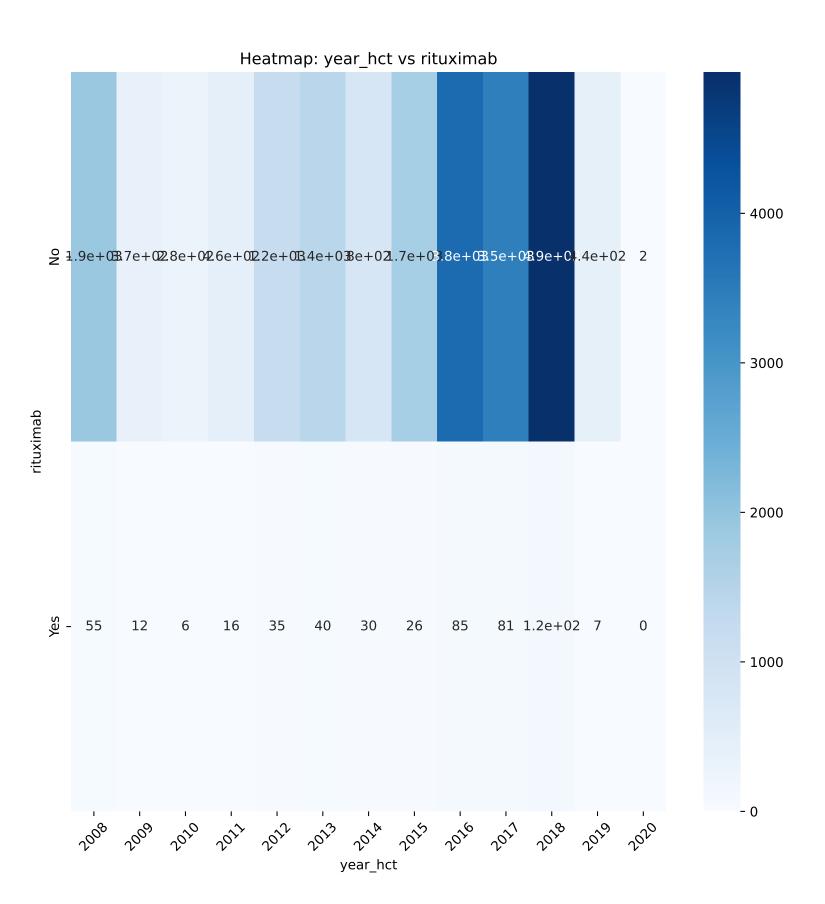


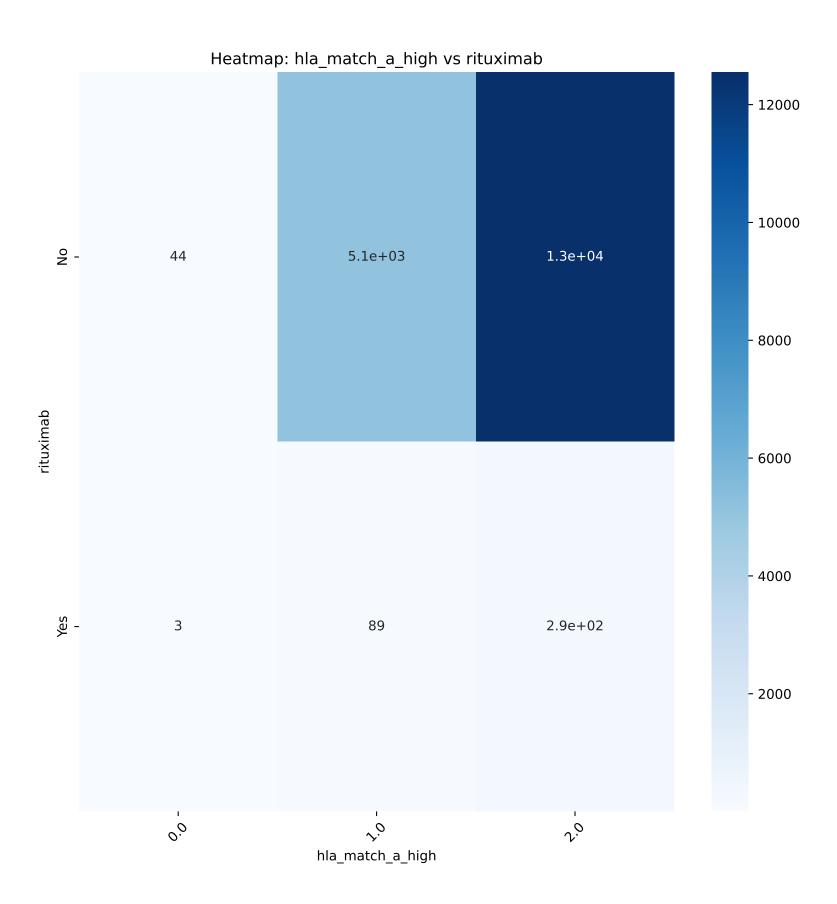


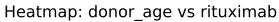


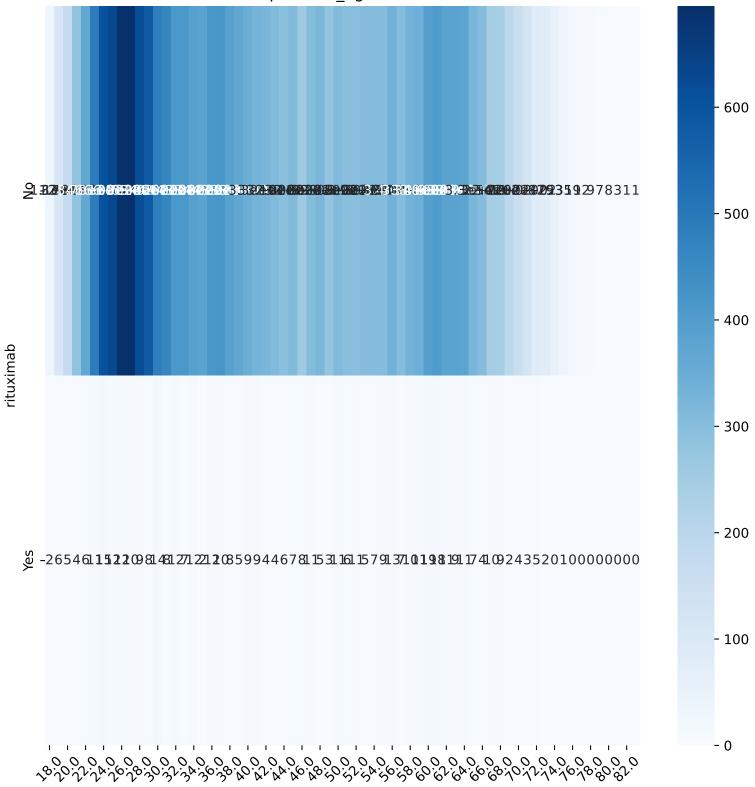




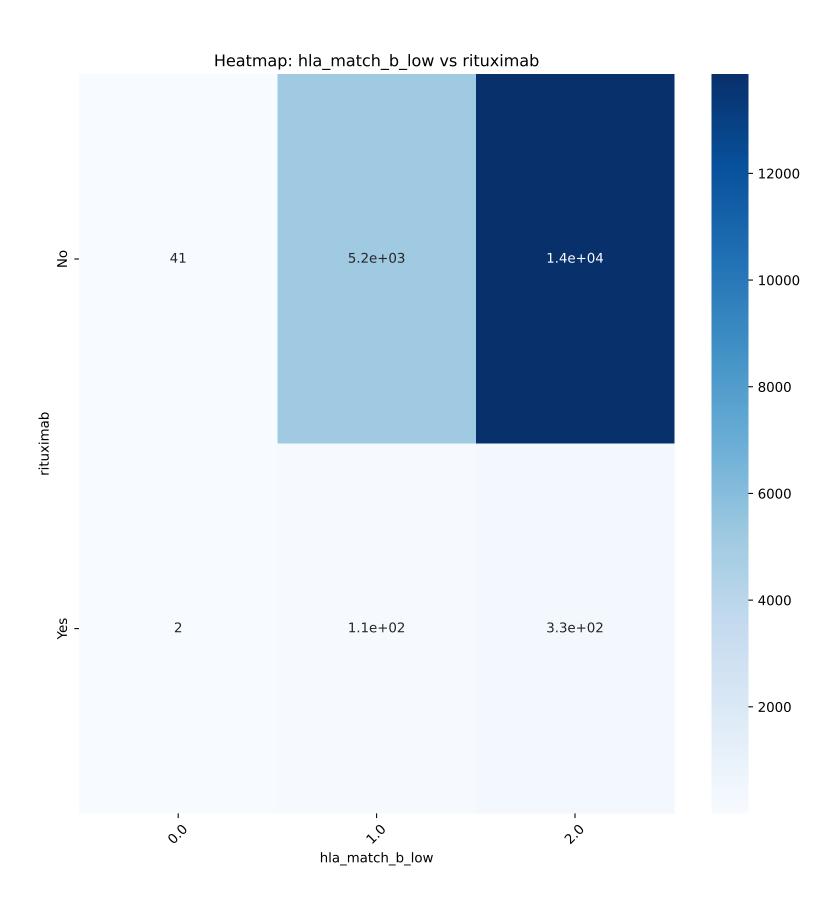


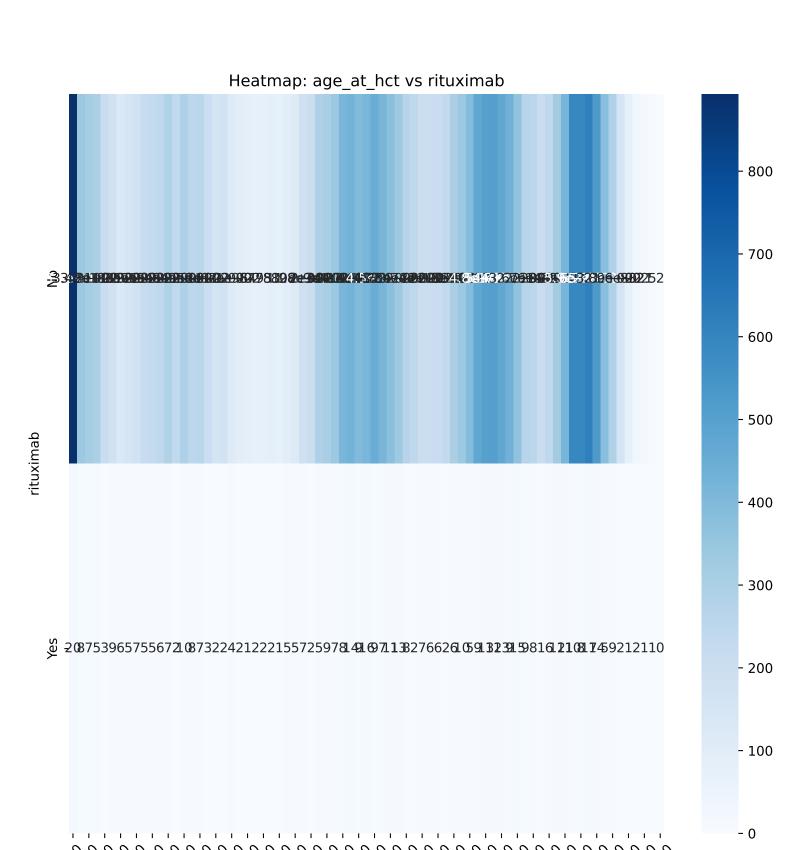


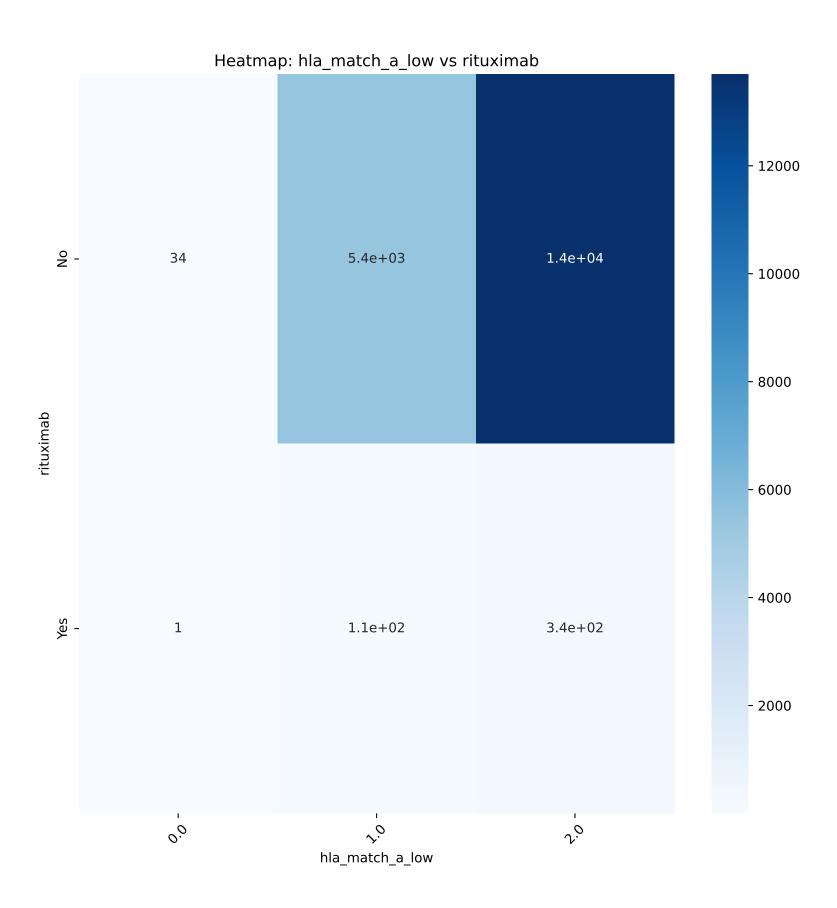


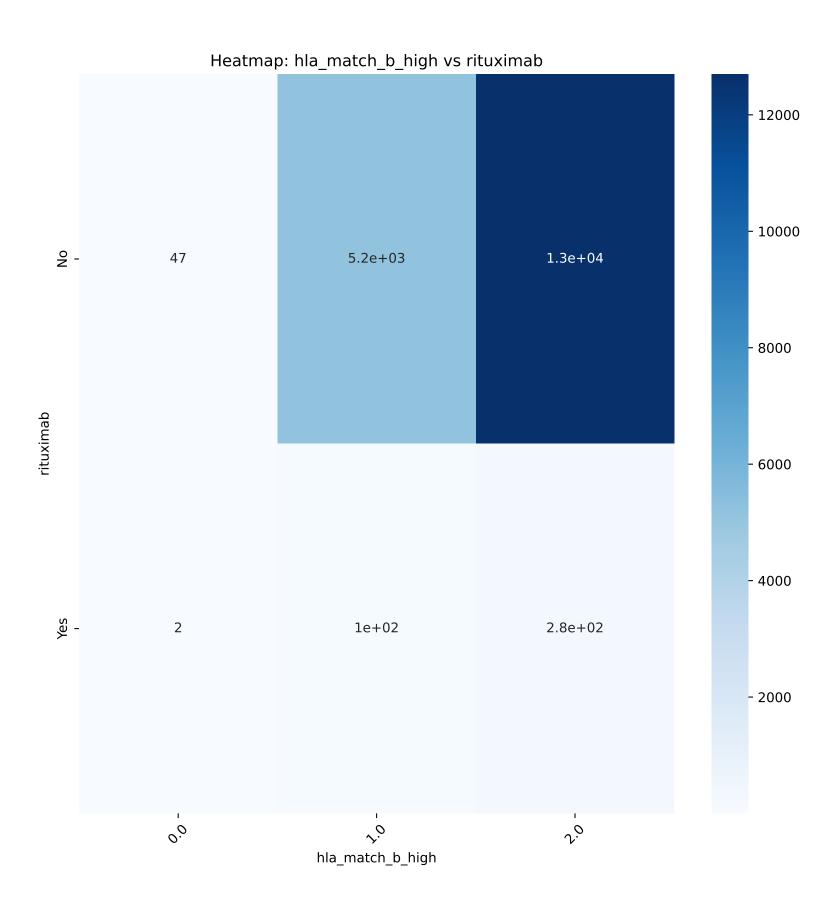


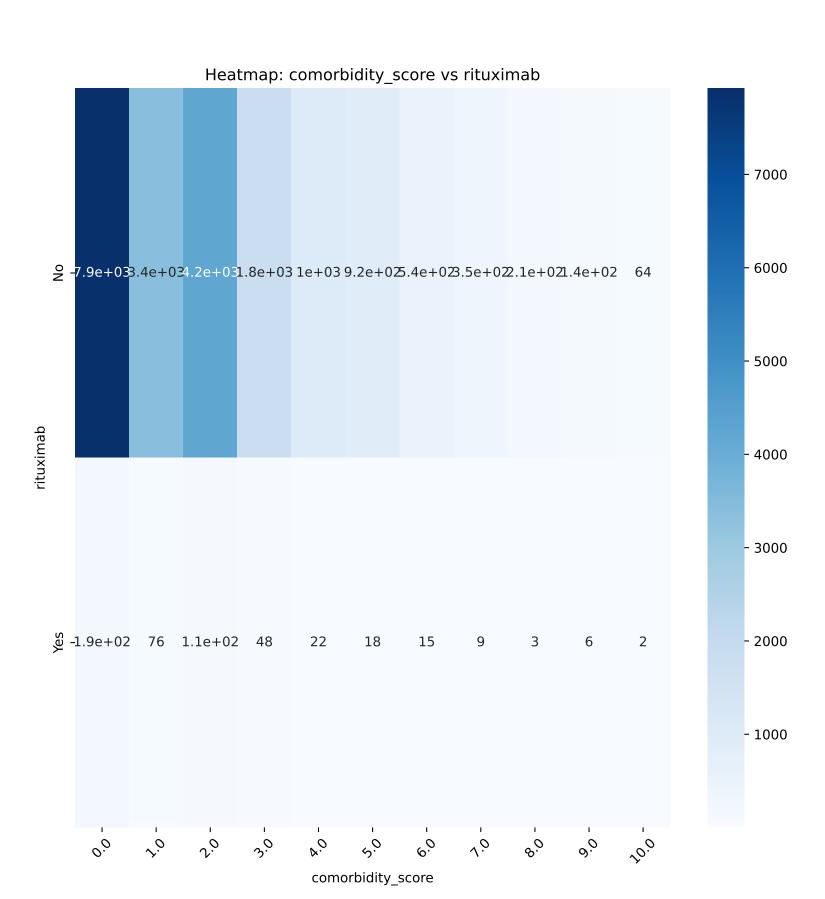
donor\_age

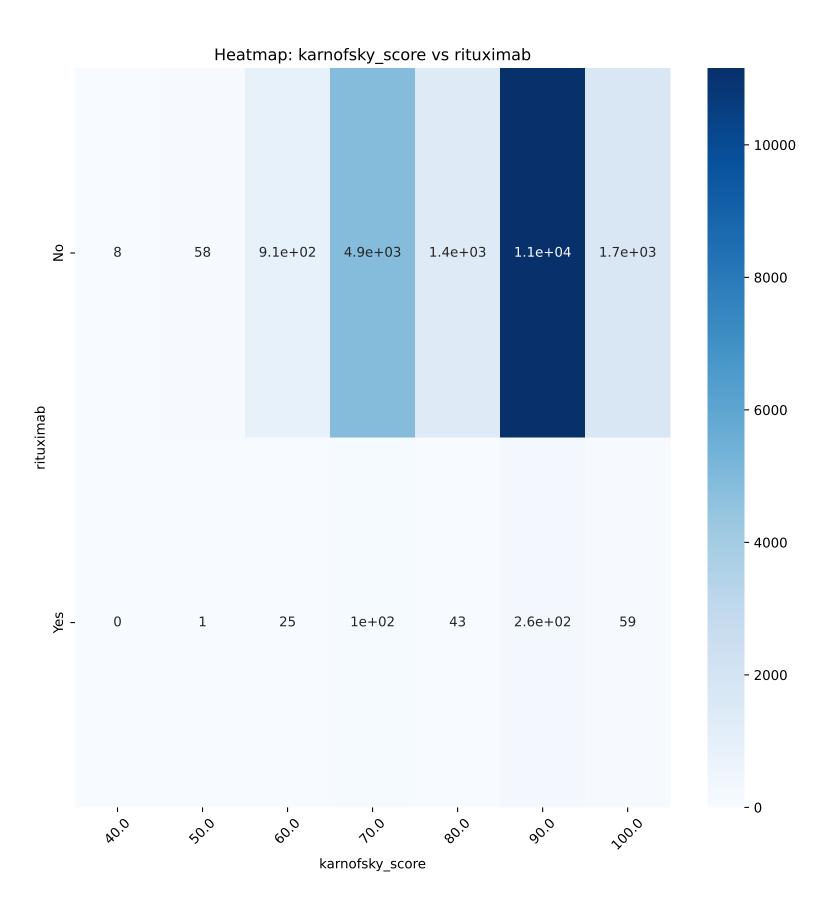


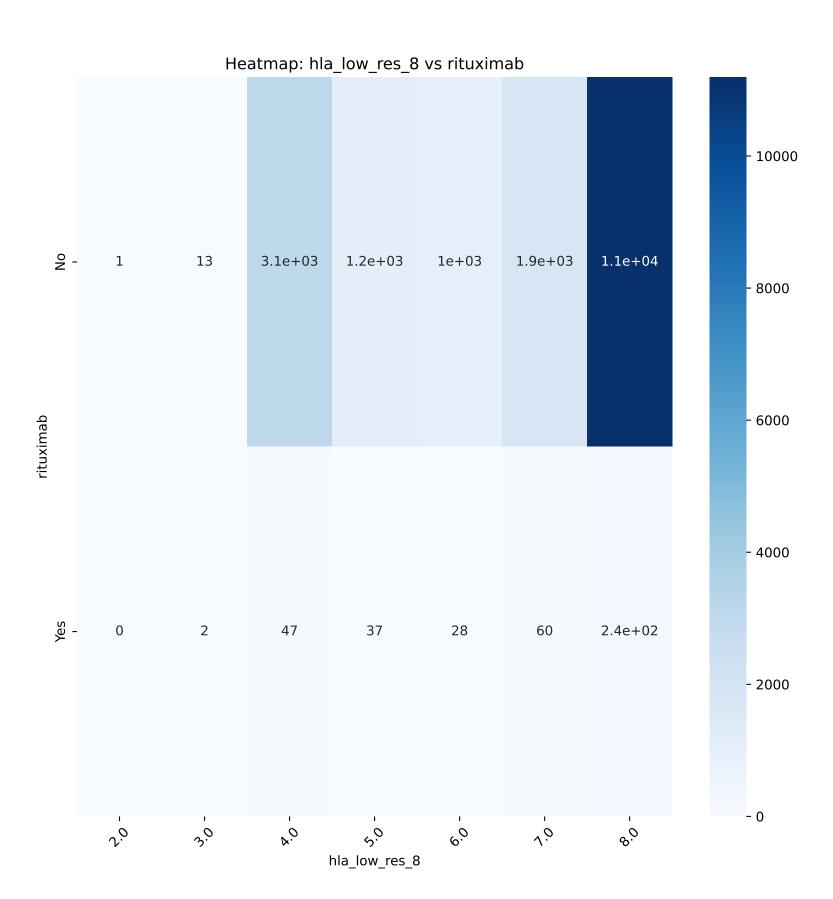


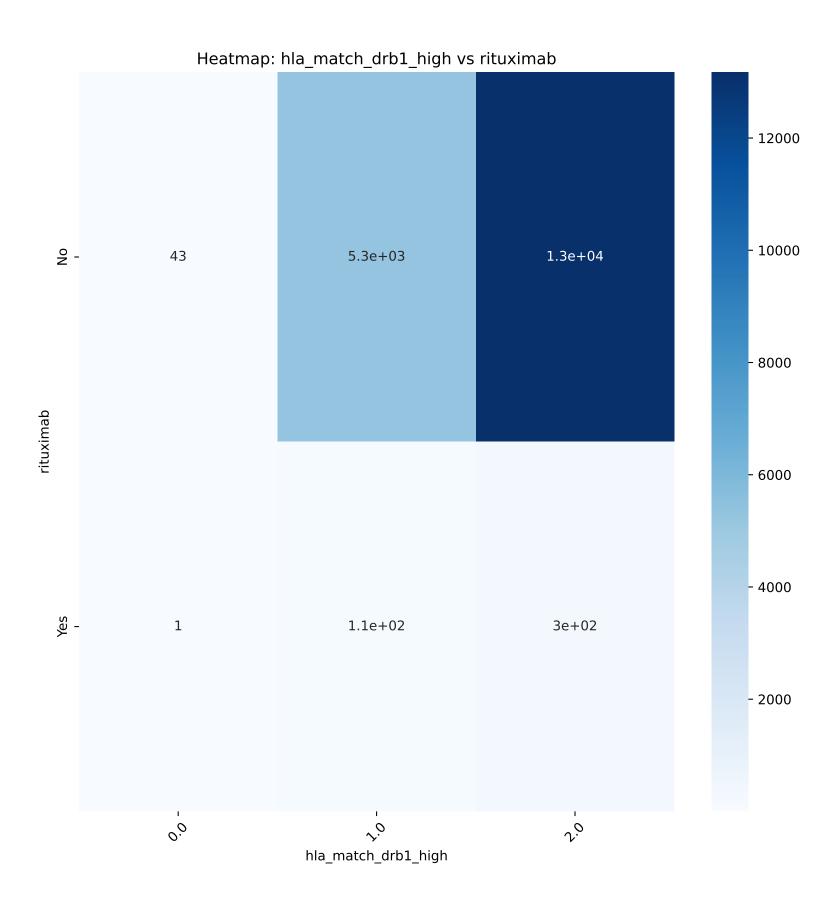


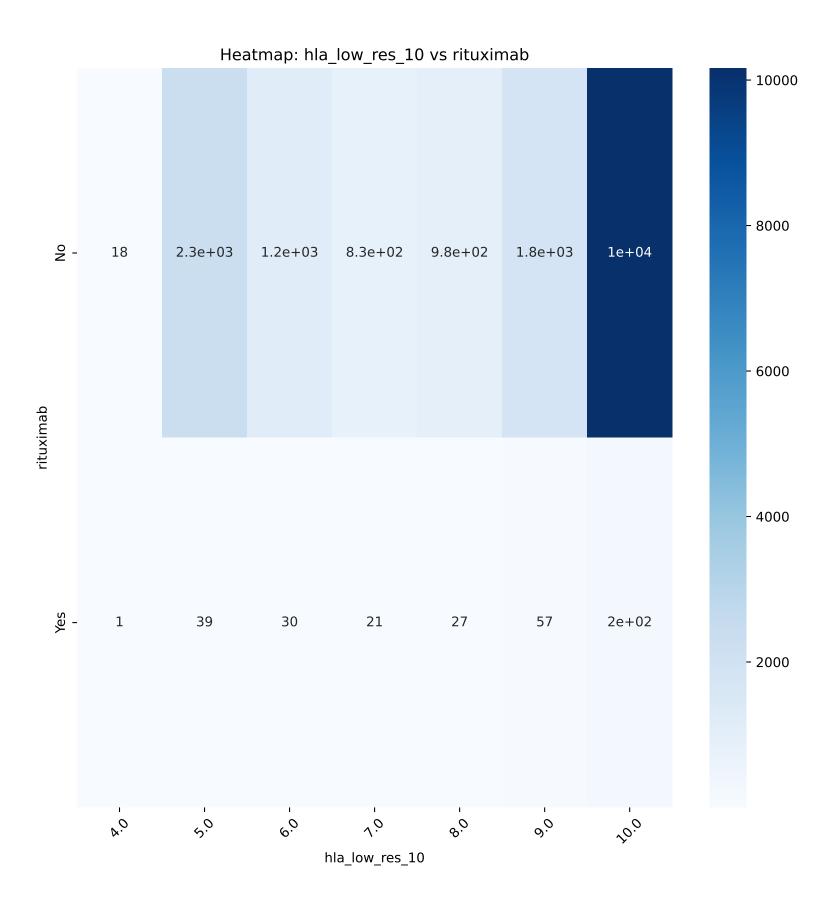


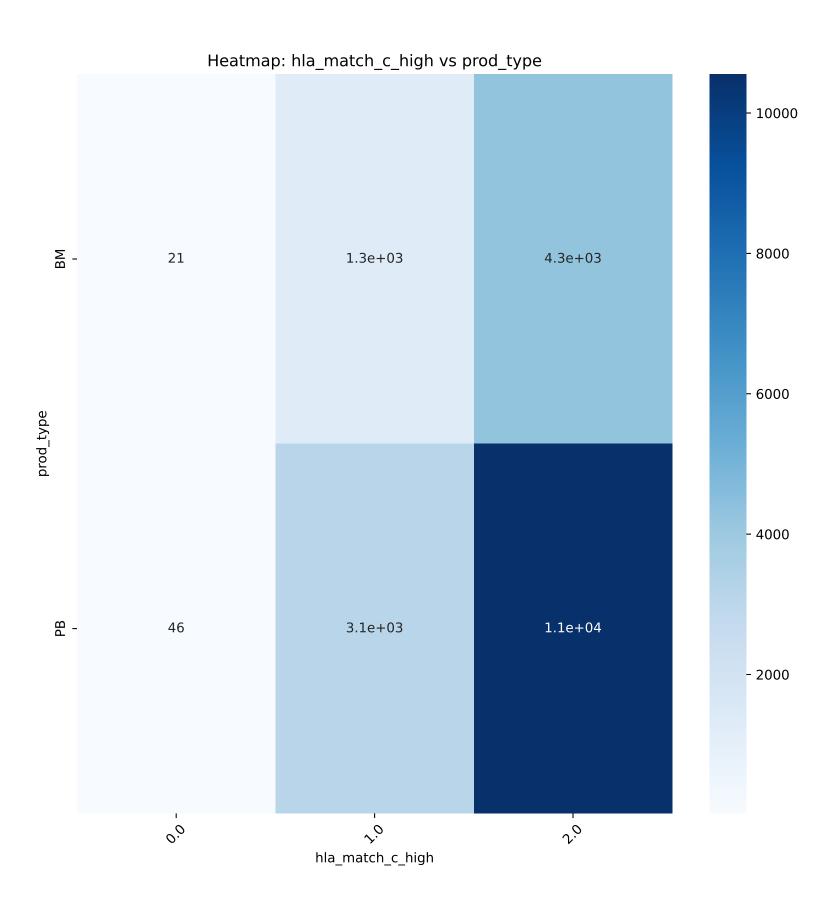




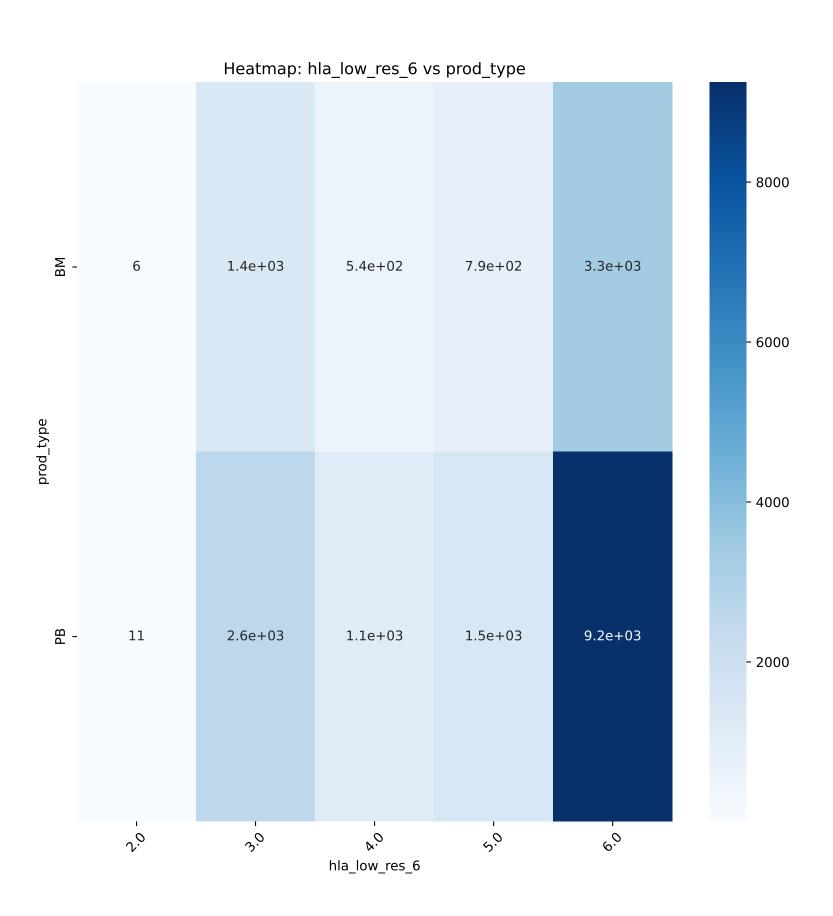


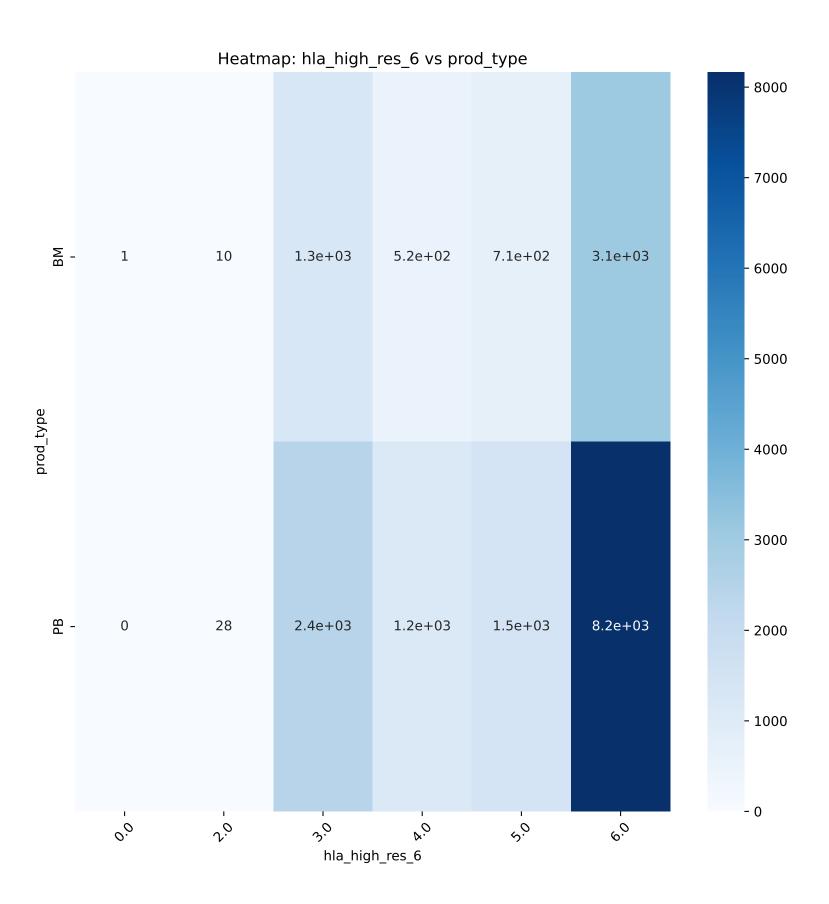






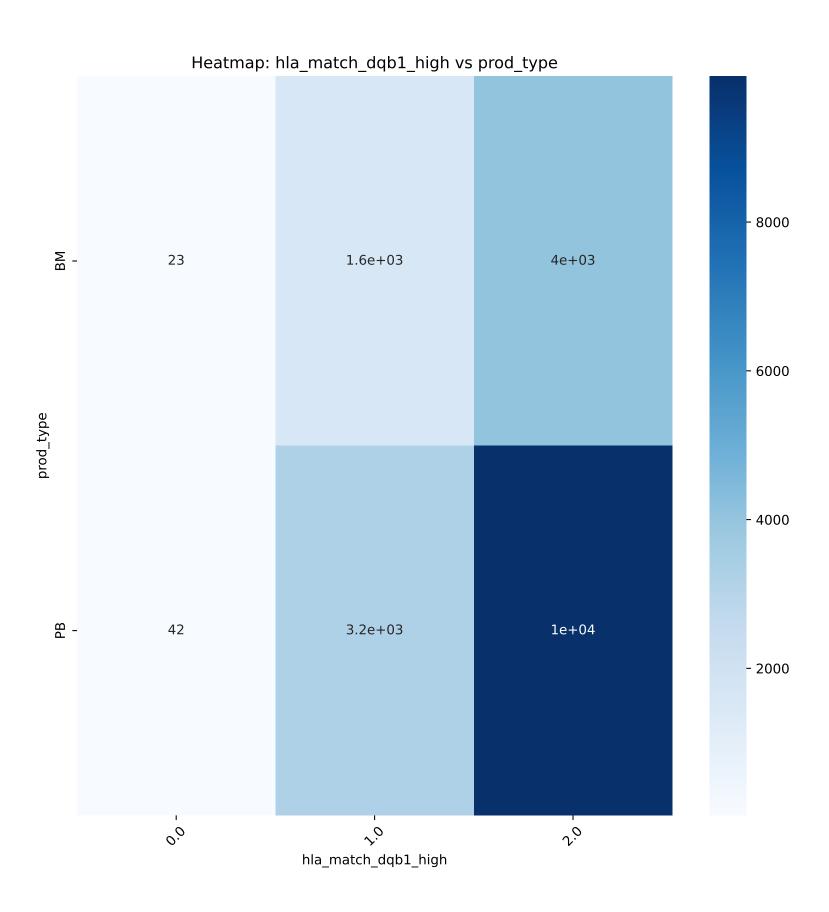
Heatmap: hla\_high\_res\_8 vs prod\_type - 7000 <u>B</u> -6000 2 8 1e+03 4.5e+02 2.9e+03 4e+02 6.1e+02 - 5000 prod\_type - 4000 - 3000 PB -0 18 2.1e+03 9e+02 7.9e+02 1.3e+03 7.9e+03 - 2000 - 1000 - 0 6. رٰ<sub>0</sub> v,o hla\_high\_res\_8

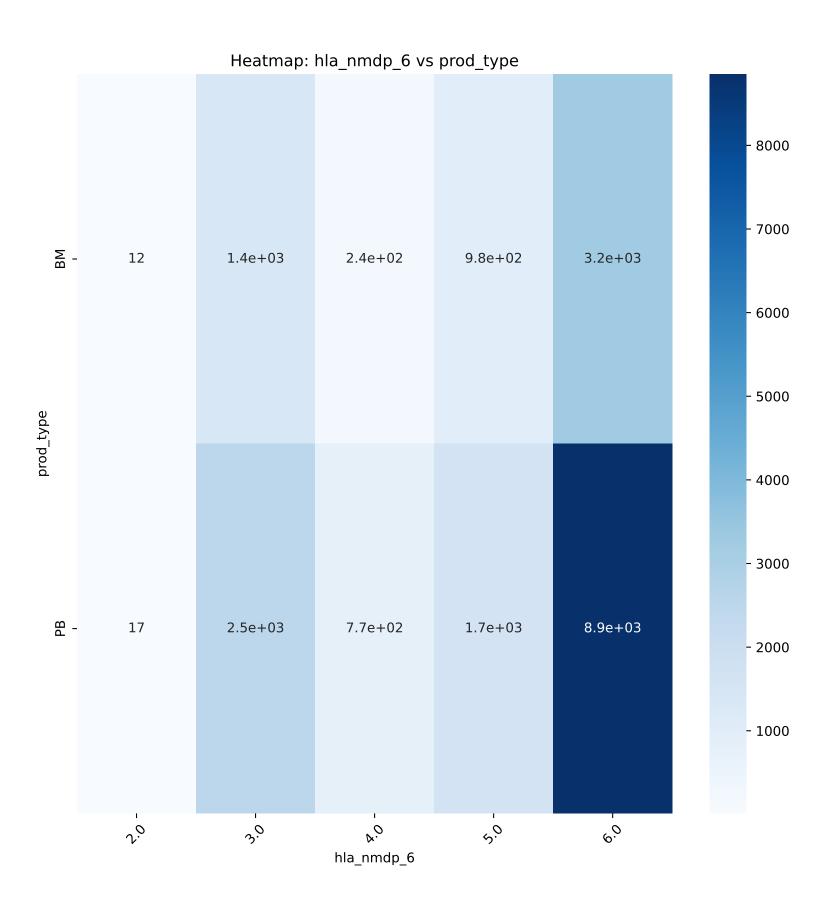


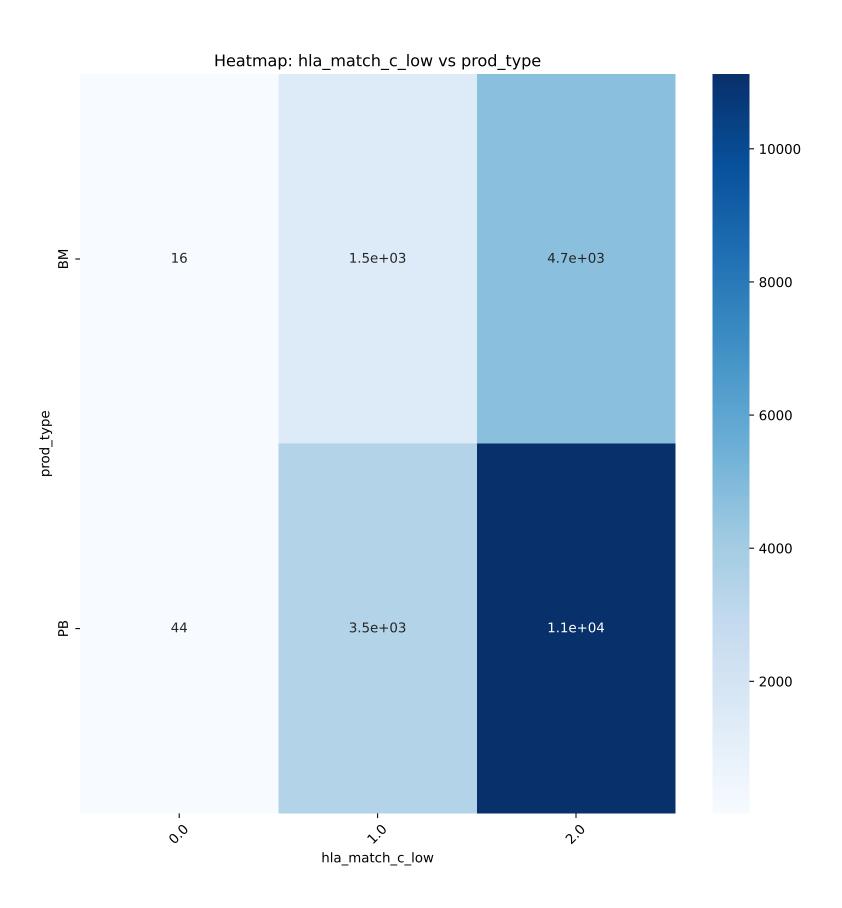


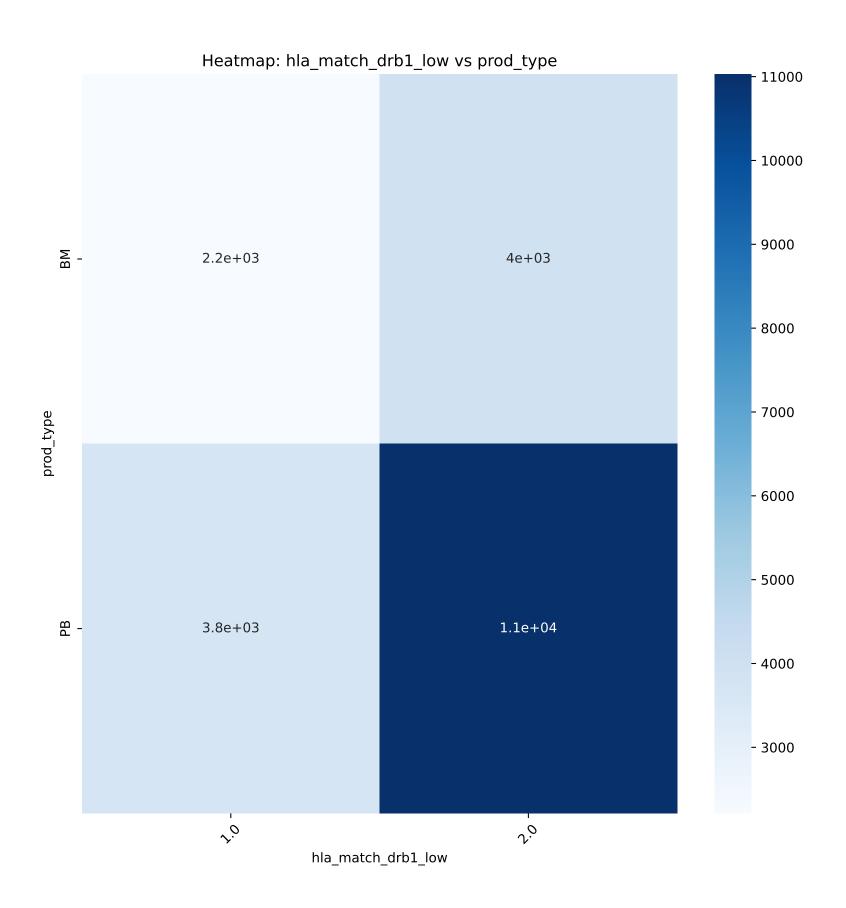
Heatmap: hla\_high\_res\_10 vs prod\_type 7000 - 6000 \_ ⊠ 8.5e+02 3.5e+02 3.4e+02 3.4e+02 6.1e+02 1 7 2.7e+03 - 5000 - 4000 prod\_type - 3000 - 2000 - B 0 1.7e+03 7.3e+02 6.2e+02 6.8e+02 1.3e+03 7.1e+03 16 - 1000 - 0 رٰ<sub>0</sub> °,0 60 90 50

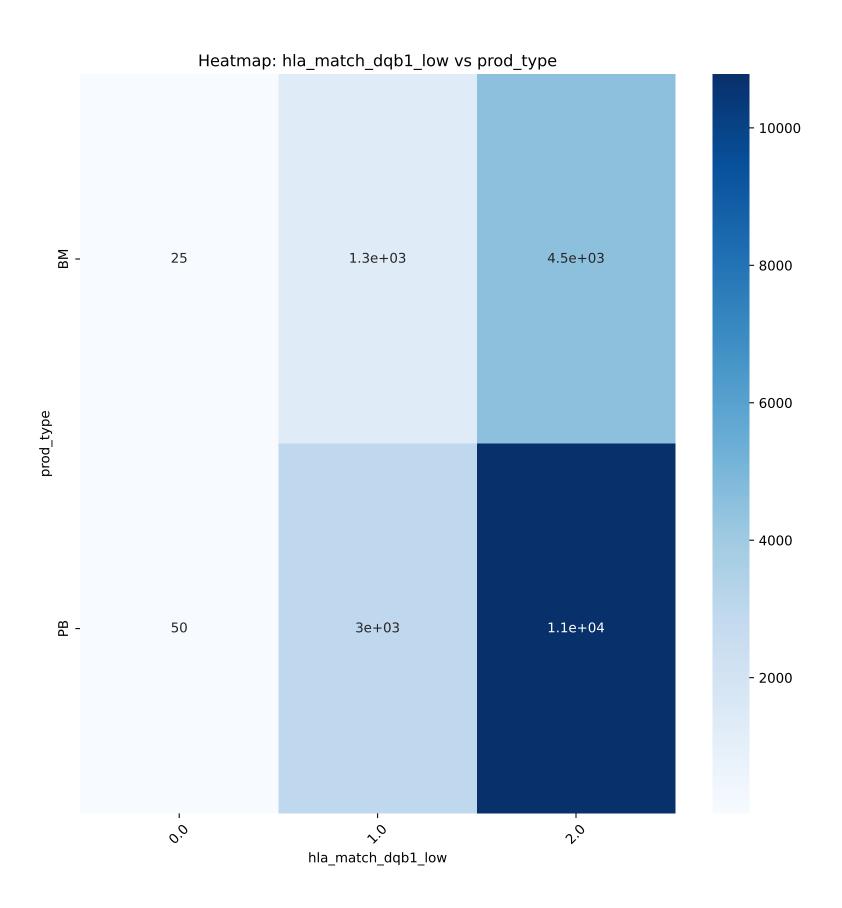
hla\_high\_res\_10

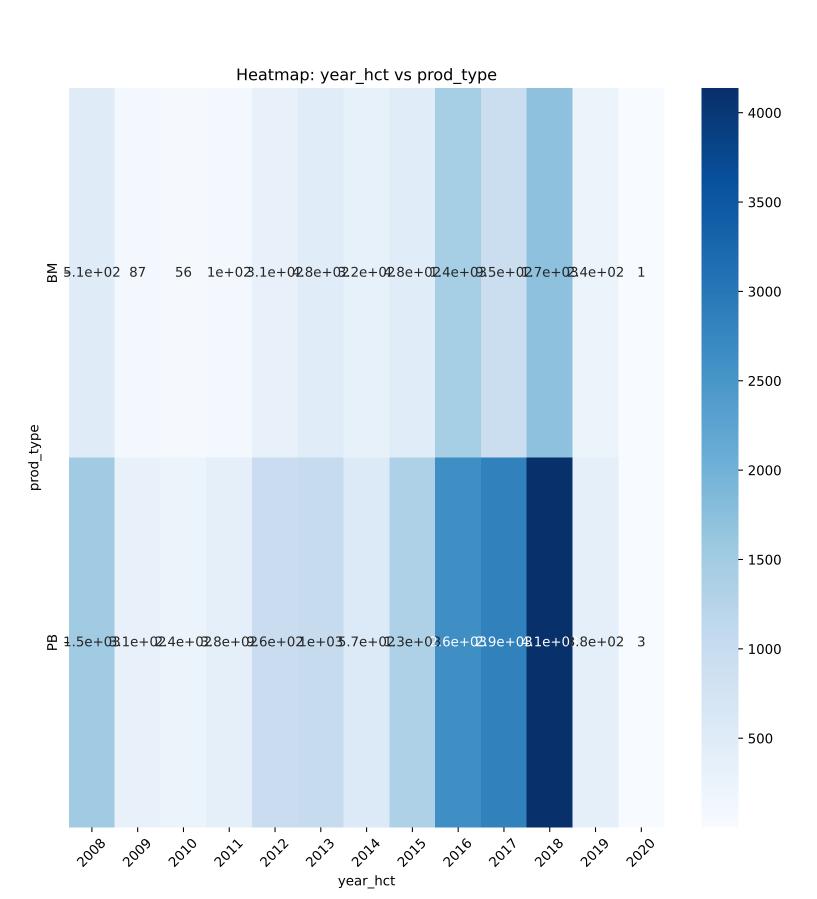


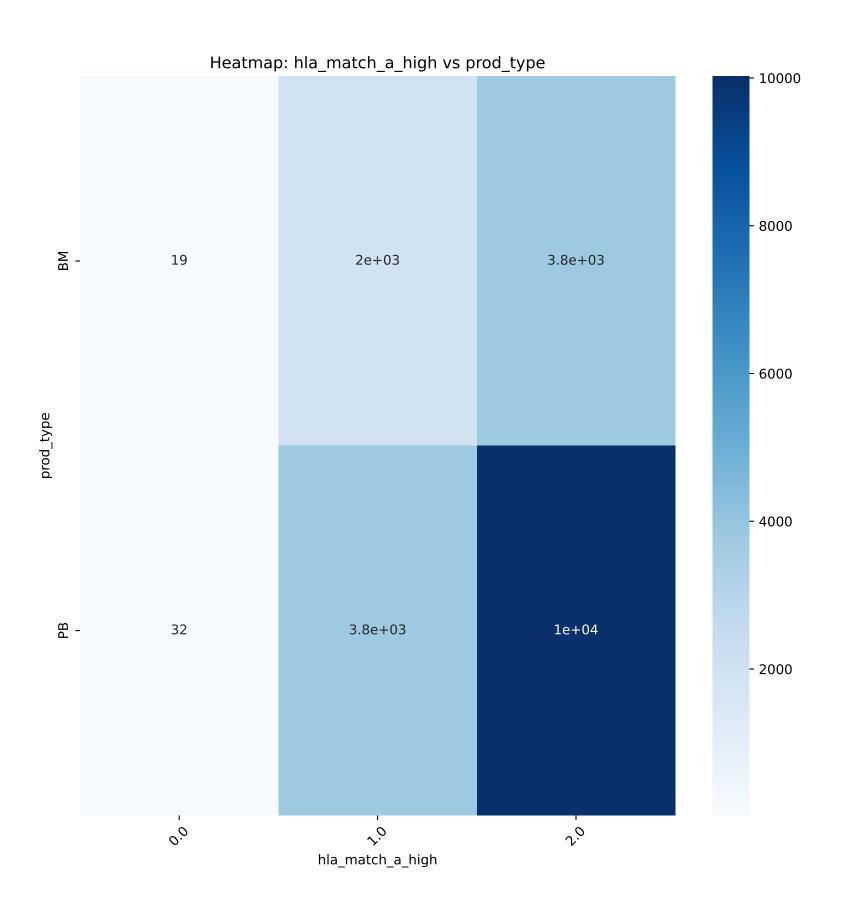


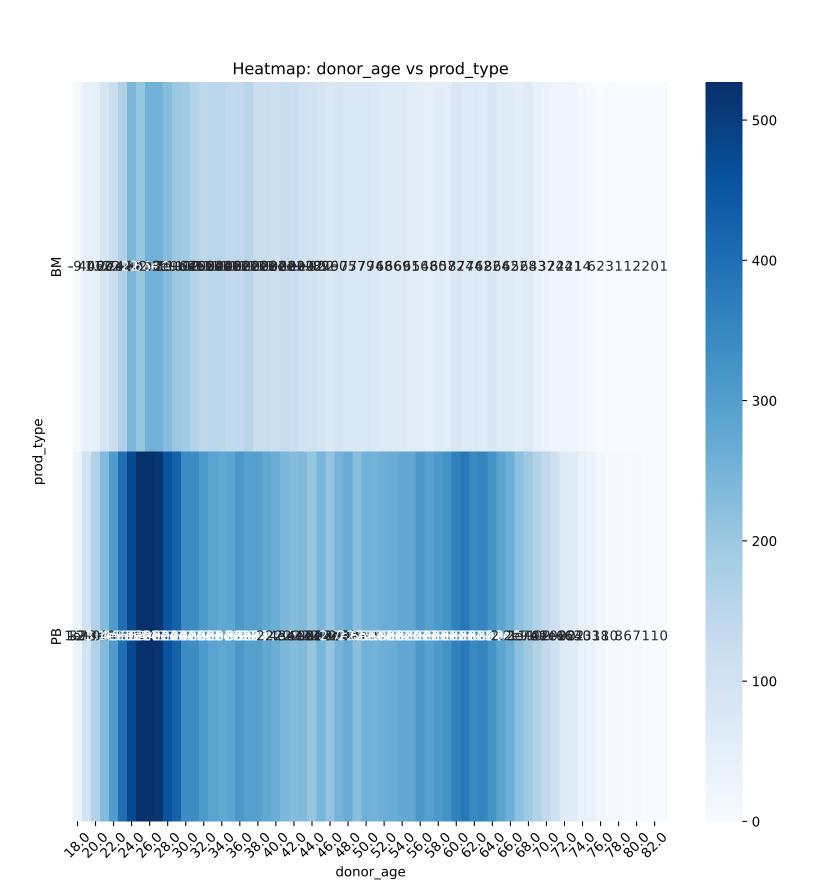


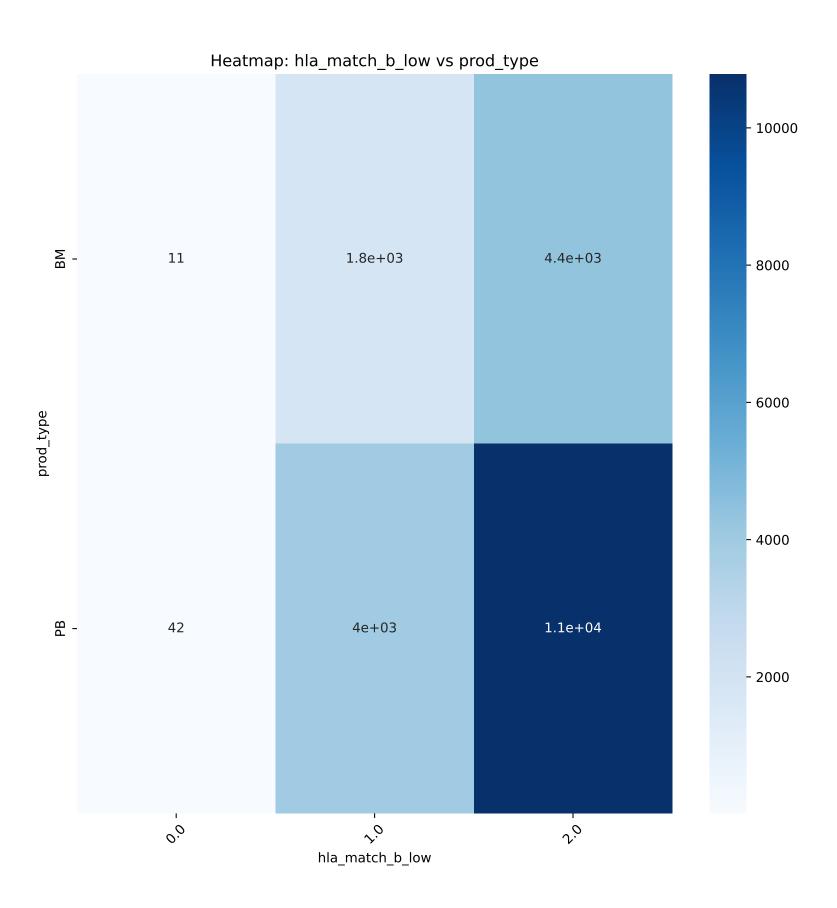


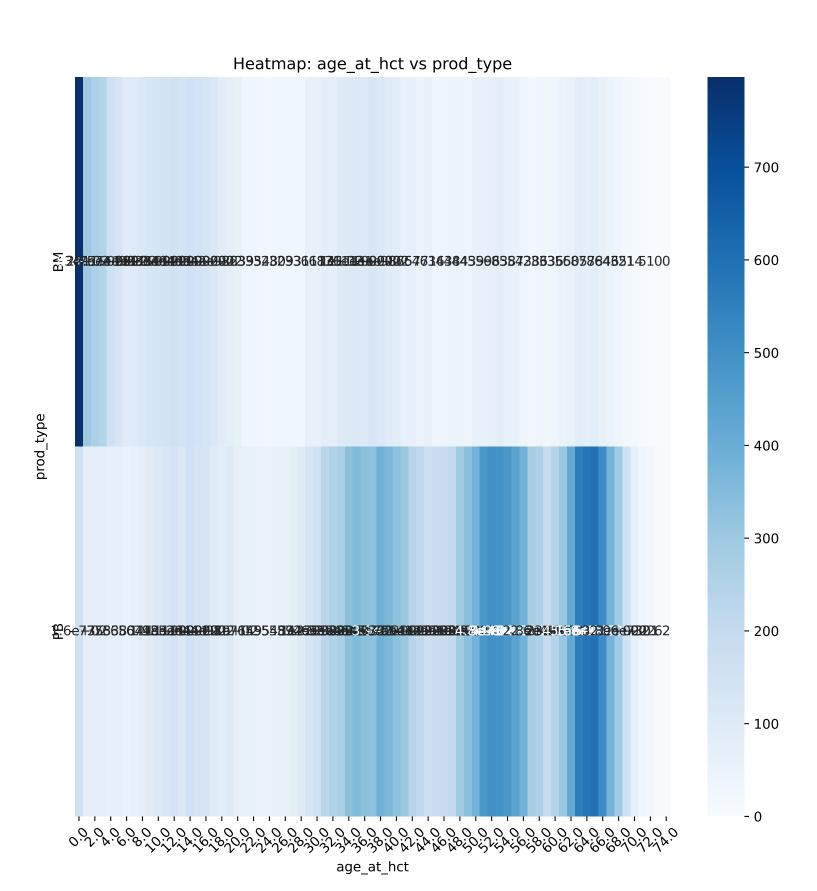


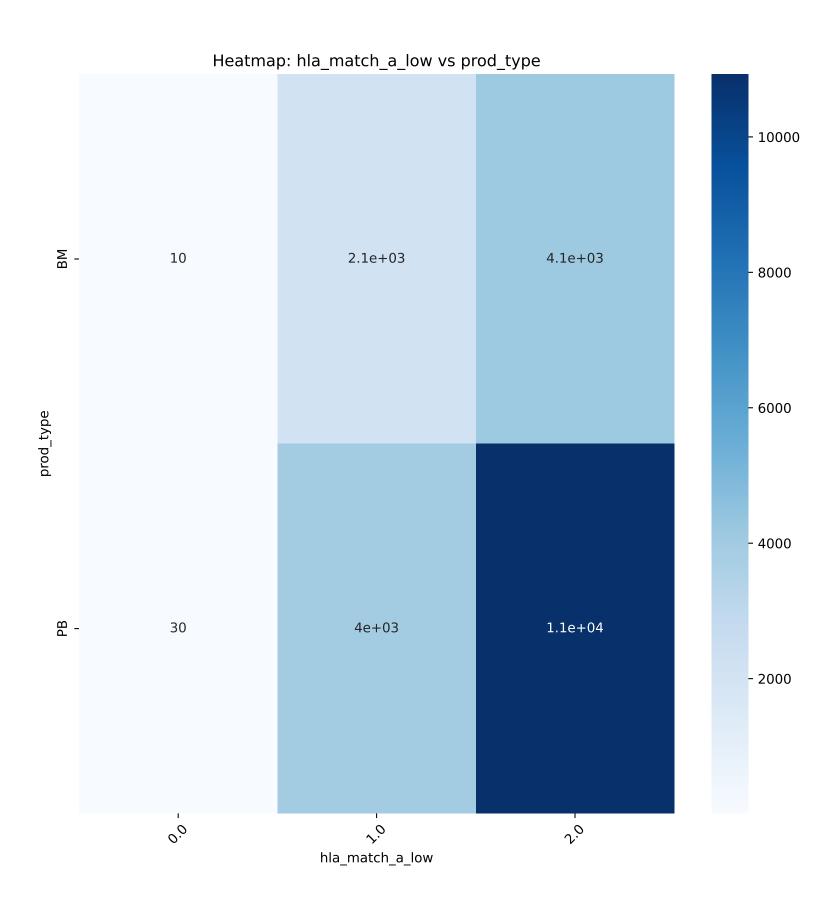


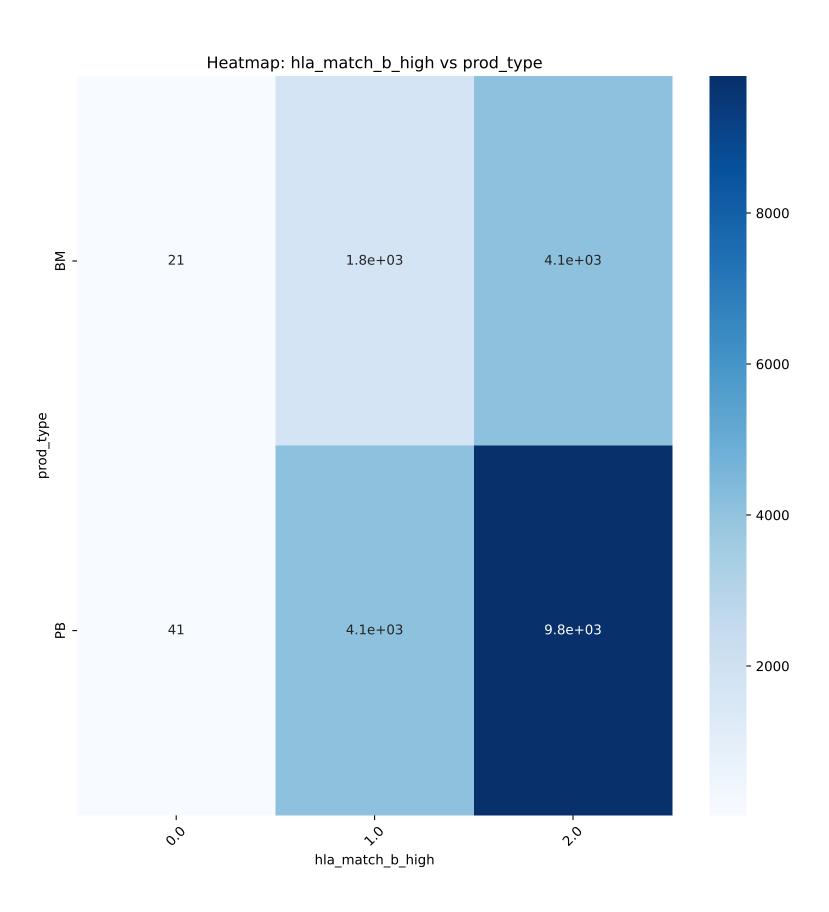


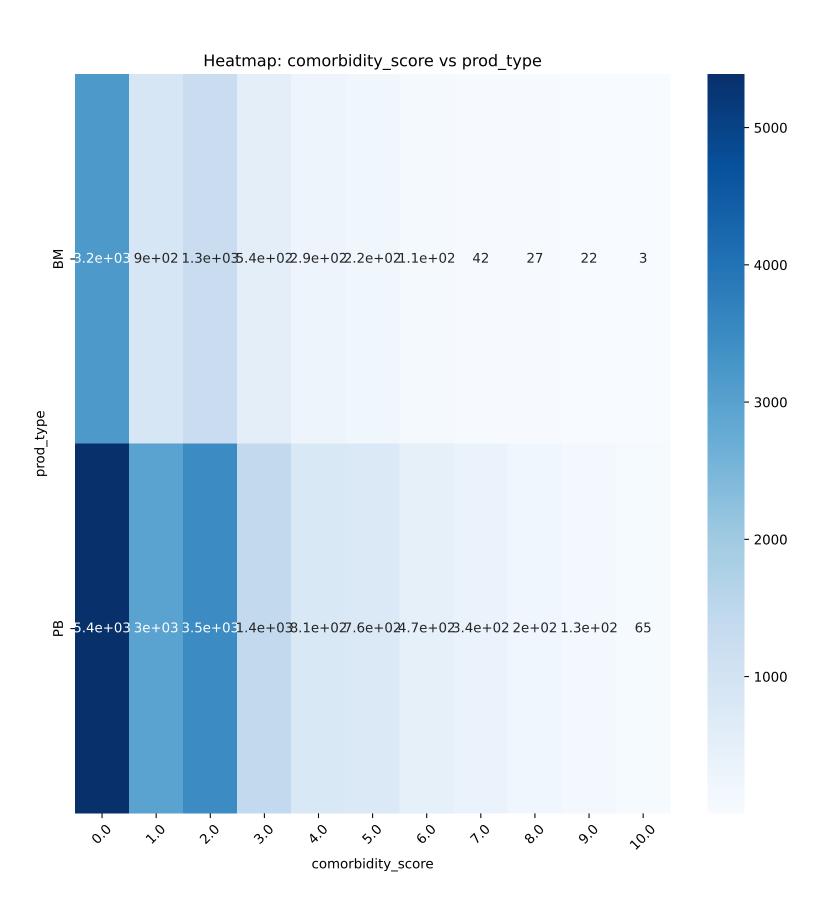


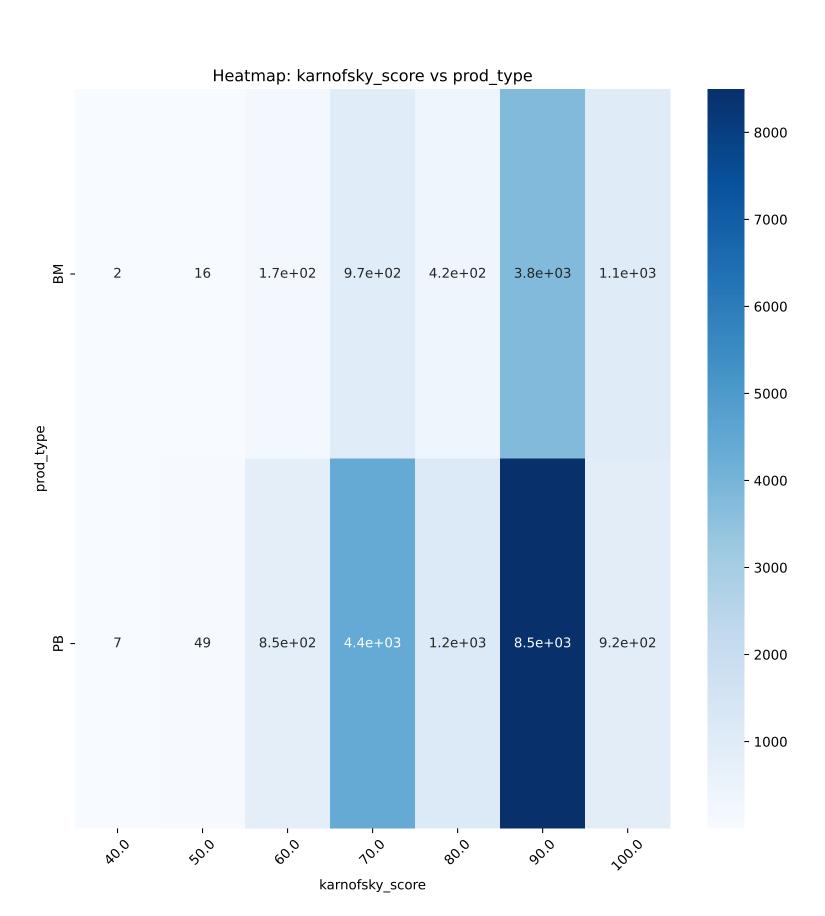






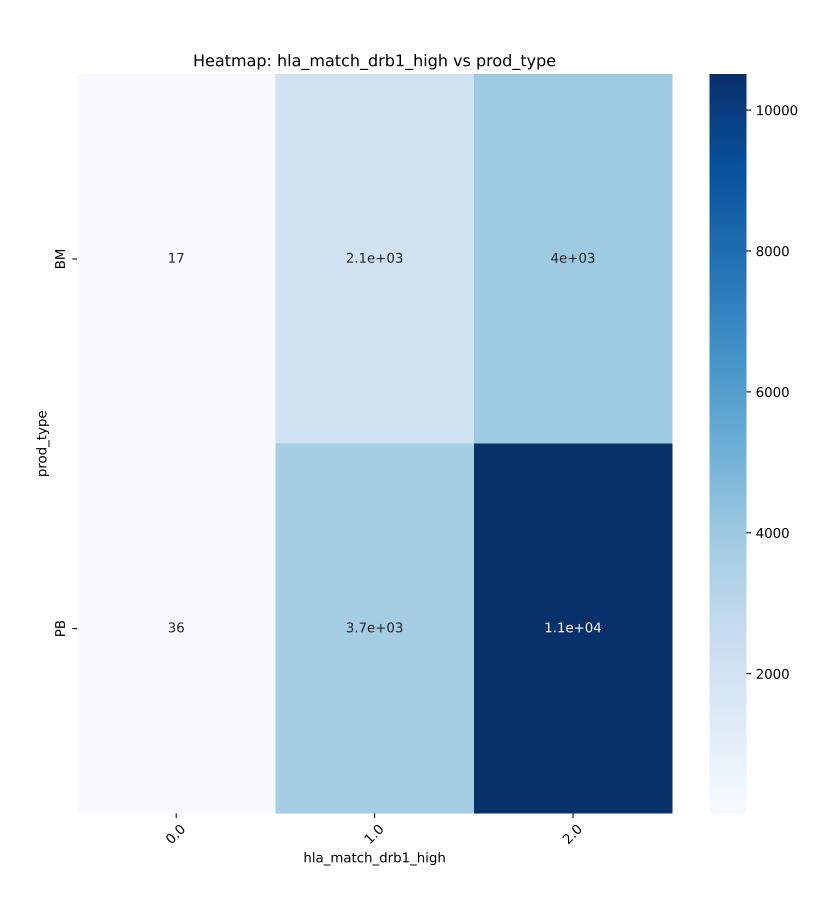


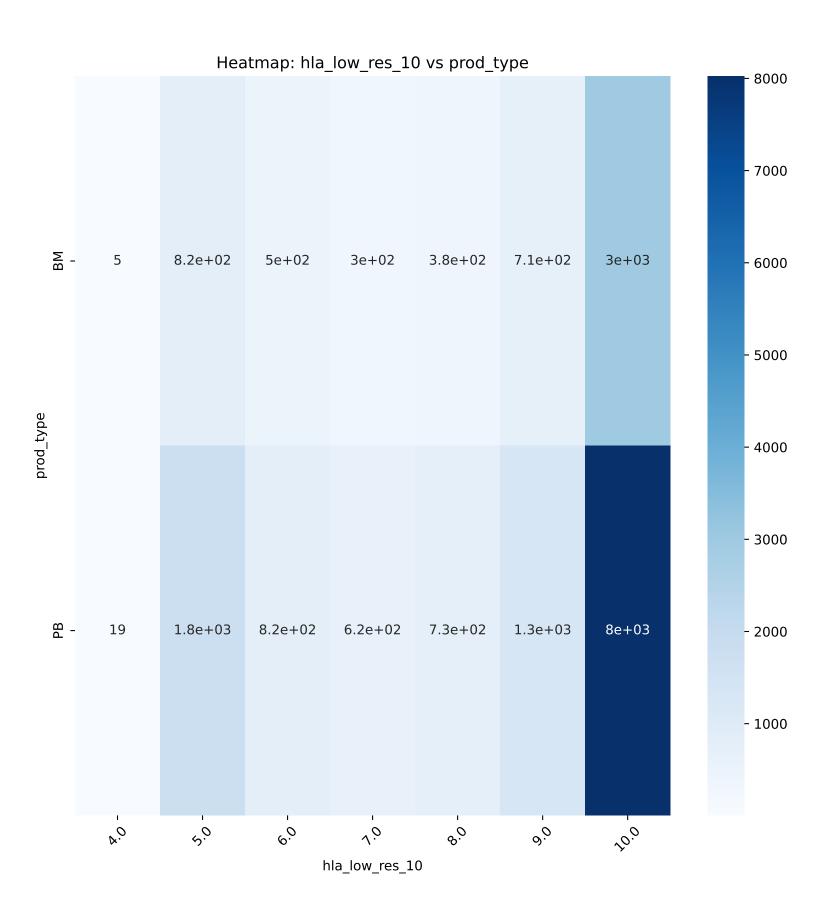


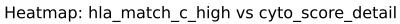


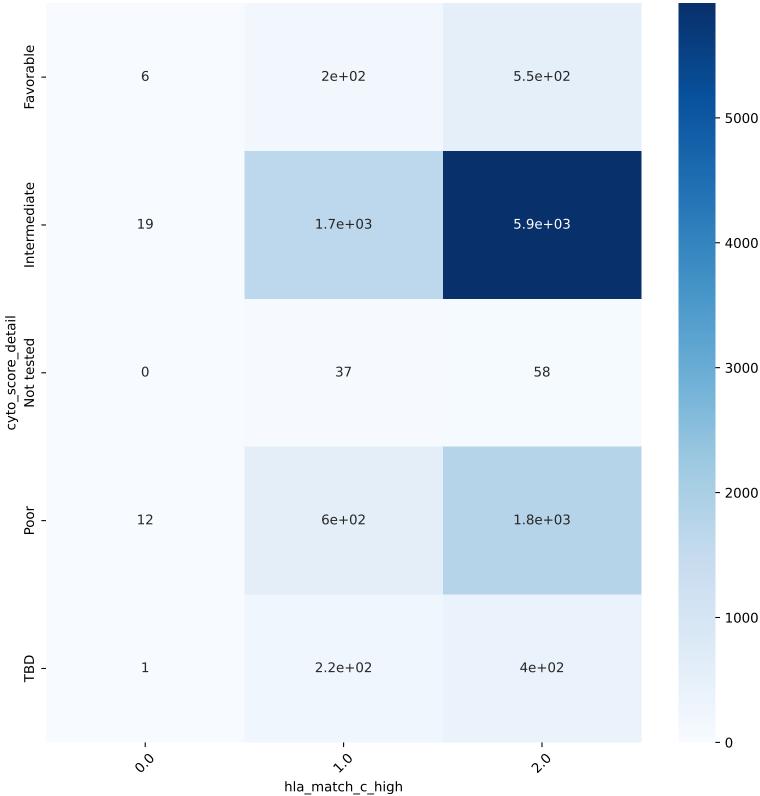
Heatmap: hla\_low\_res\_8 vs prod\_type - 8000 - 7000 <u>B</u> -0 3 1.1e+03 4.5e+02 7.5e+02 3.3e+03 4e+02 6000 - 5000 prod\_type - 4000 - 3000 - B 1 2.3e+03 8.4e+02 7.8e+02 8.9e+03 13 1.3e+03 - 2000 - 1000 - 0 % 70 v,o 50

hla\_low\_res\_8

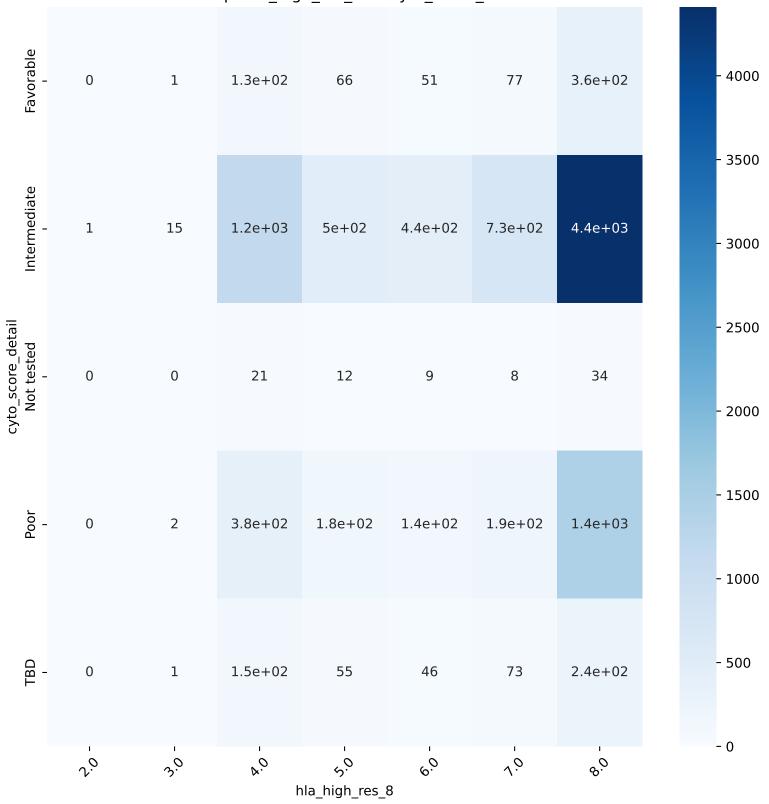






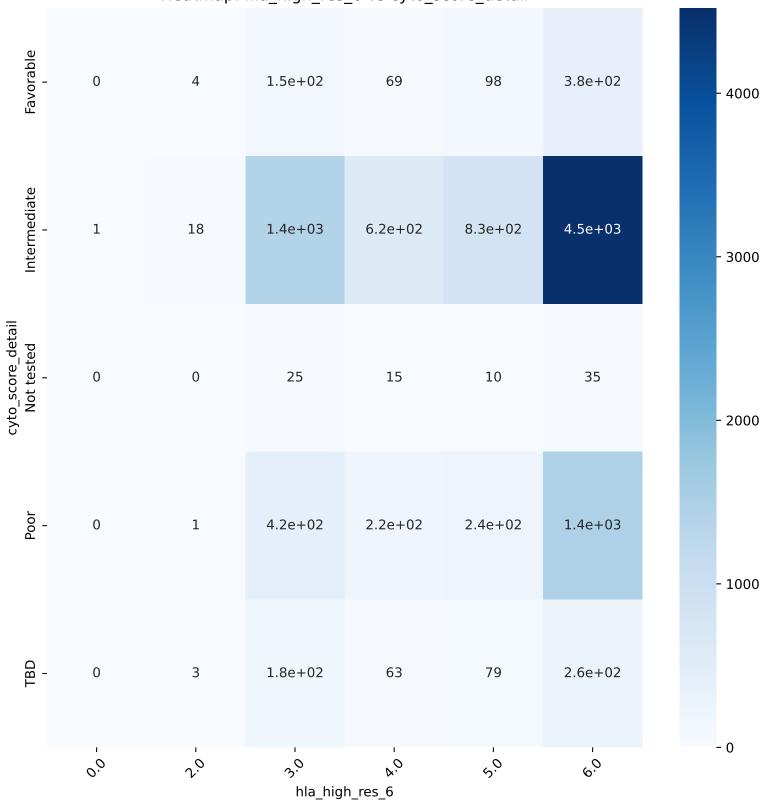


Heatmap: hla\_high\_res\_8 vs cyto\_score\_detail

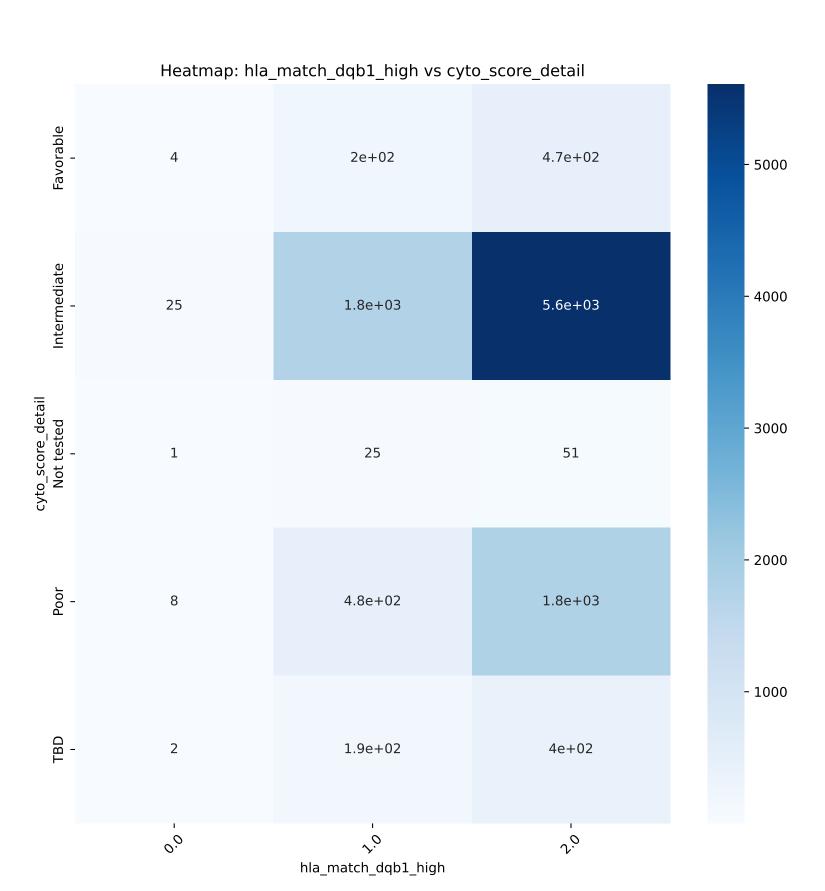


Heatmap: hla\_low\_res\_6 vs cyto\_score\_detail 5000 Favorable 0 1.6e+02 93 81 4.5e+02 - 4000 Intermediate 1.5e+03 5.6e+02 8.1e+02 5.1e+03 4 3000 cyto\_score\_detail Not tested 1 23 17 13 37 2000 Poor -2.2e+02 1 4.4e+02 1.8e+02 1.6e+03 - 1000 TBD -2e+02 1 66 81 3e+02 - 0 50 60 ×0 hla\_low\_res\_6

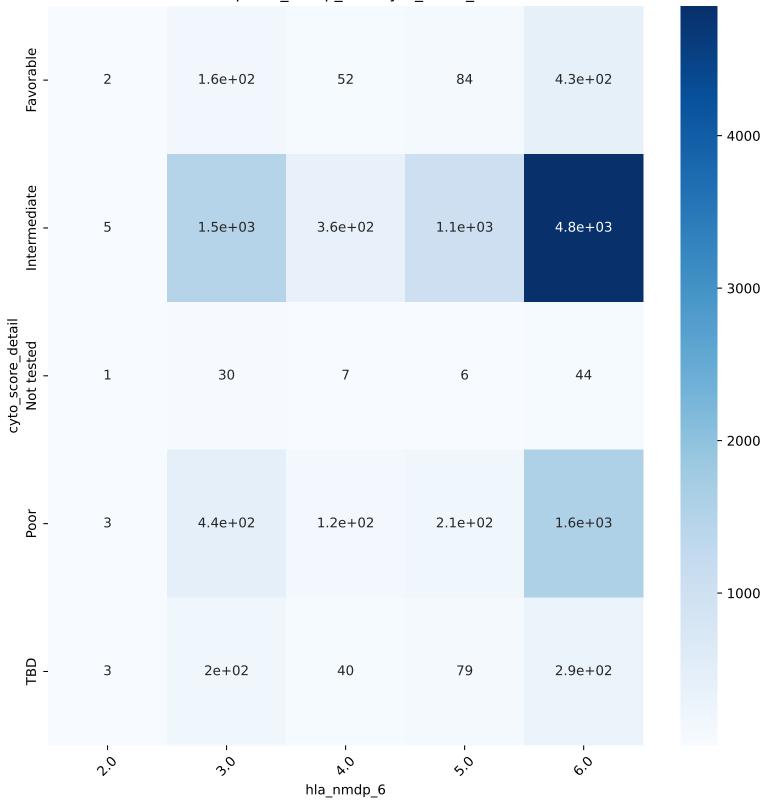
Heatmap: hla\_high\_res\_6 vs cyto\_score\_detail

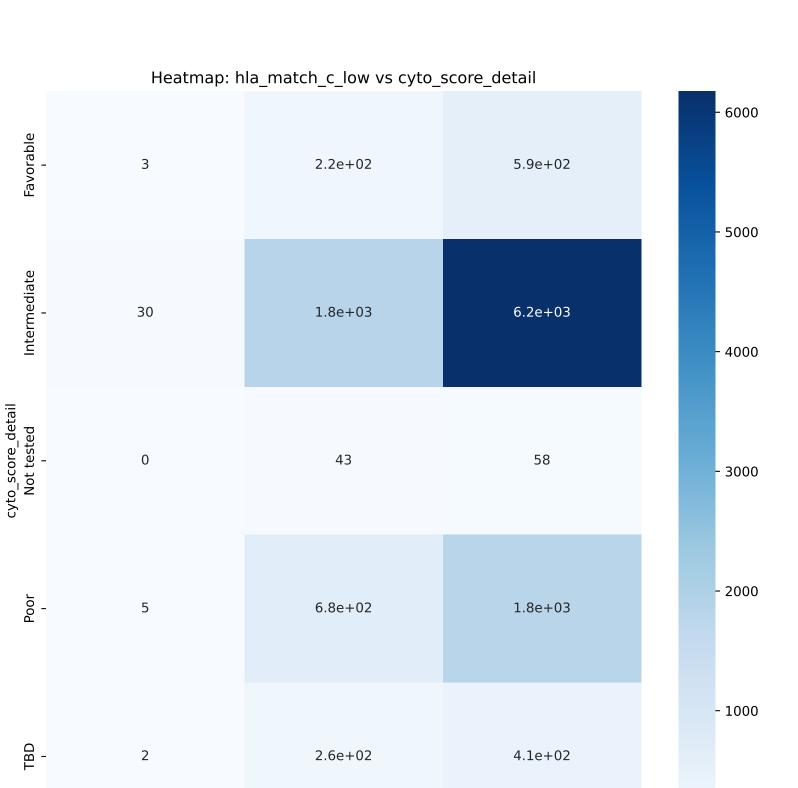


Heatmap: hla\_high\_res\_10 vs cyto\_score\_detail 4000 Favorable 95 50 76 0 43 45 2.9e+02 - 3500 Intermediate - 3000 12 9.6e+02 3.8e+02 4.1e+02 3.5e+02 7.2e+02 4e+03 2500 cyto\_score\_detail Not tested 13 11 5 7 5 25 1 2000 - 1500 Poor ' 3 3e+02 1.3e+02 1.3e+02 1.1e+02 1.9e+02 1.3e+03 - 1000 - 500 TBD -63 1 1.2e+02 43 38 39 2.2e+02 - 0 50 °. 10 90 80 hla\_high\_res\_10



Heatmap: hla\_nmdp\_6 vs cyto\_score\_detail





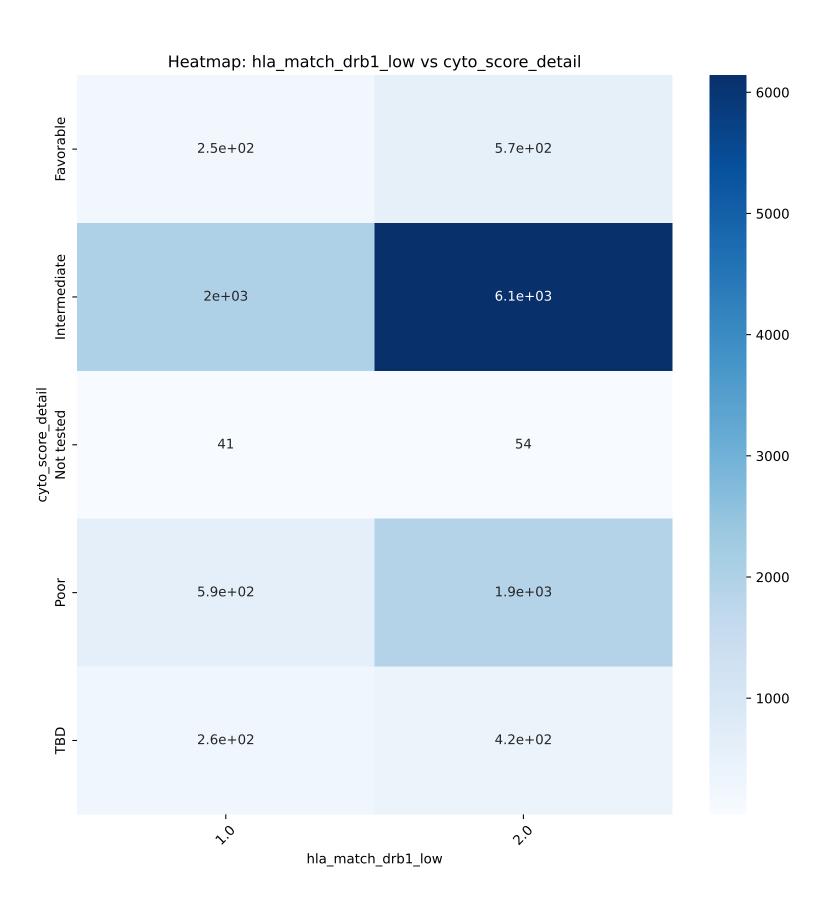
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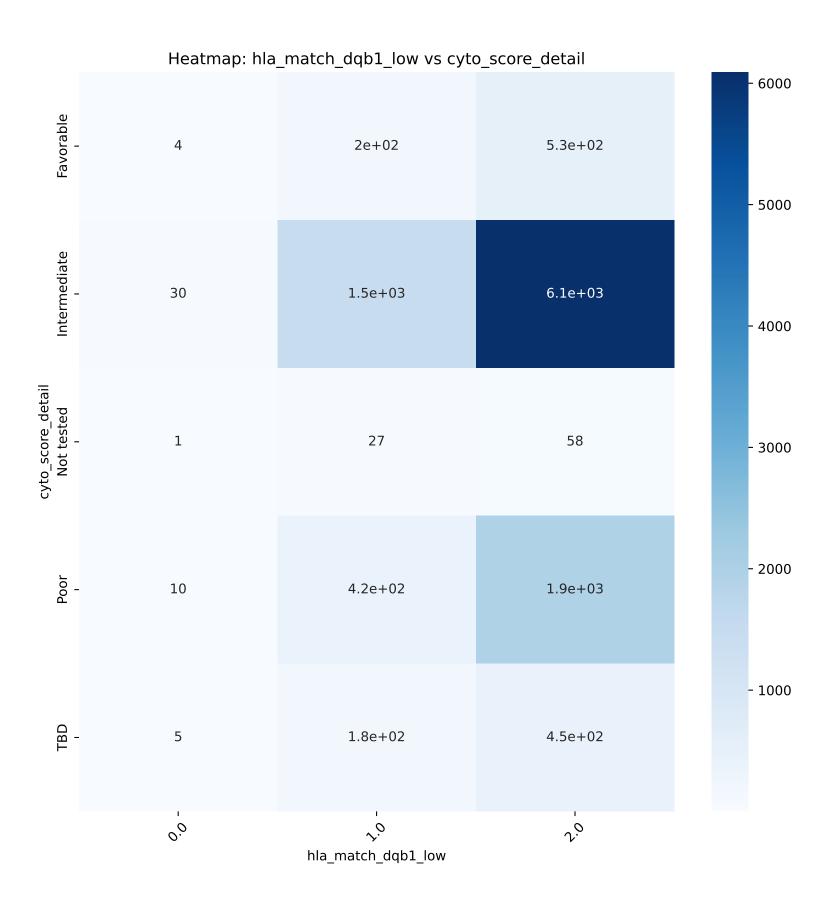
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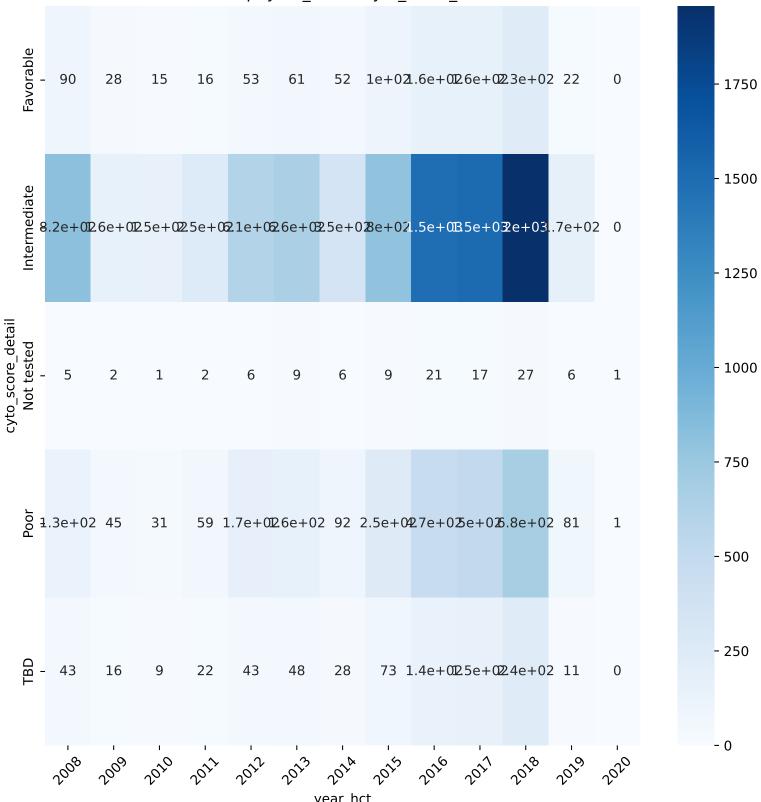
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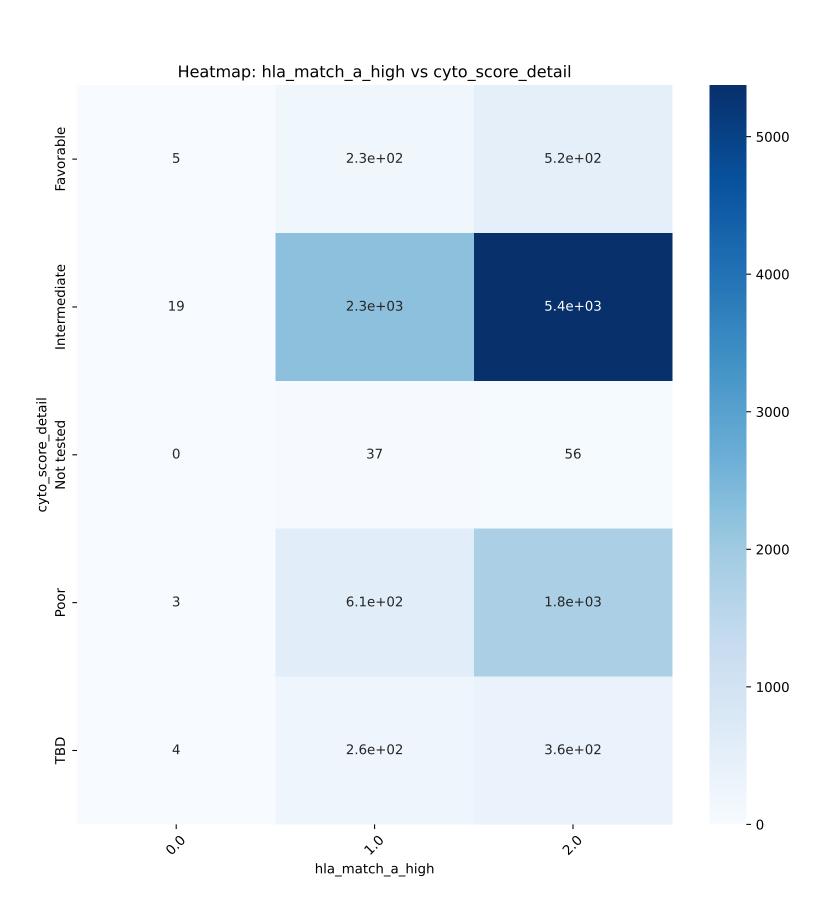
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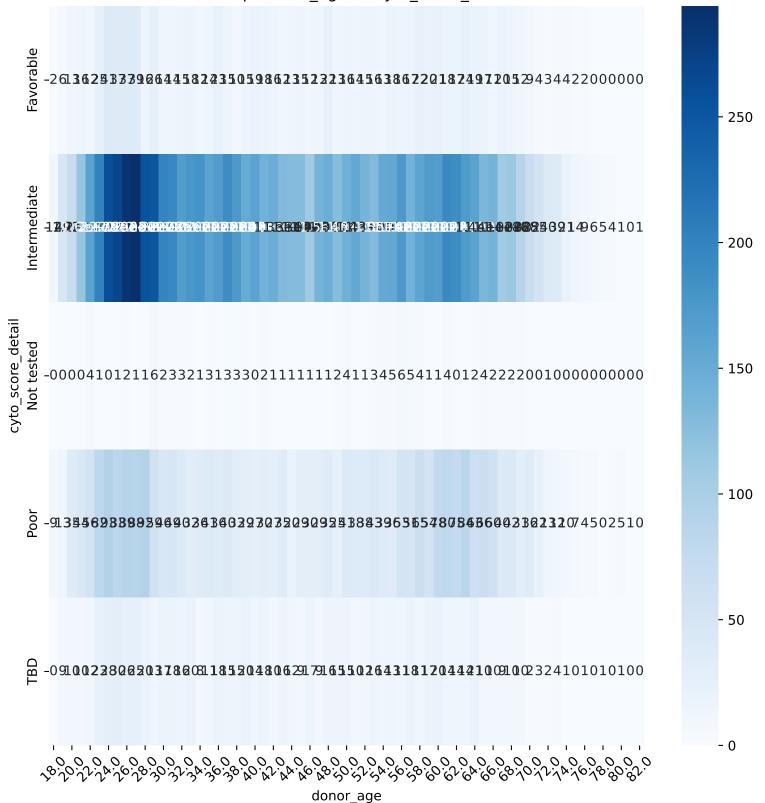


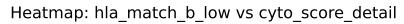
Heatmap: year\_hct vs cyto\_score\_detail

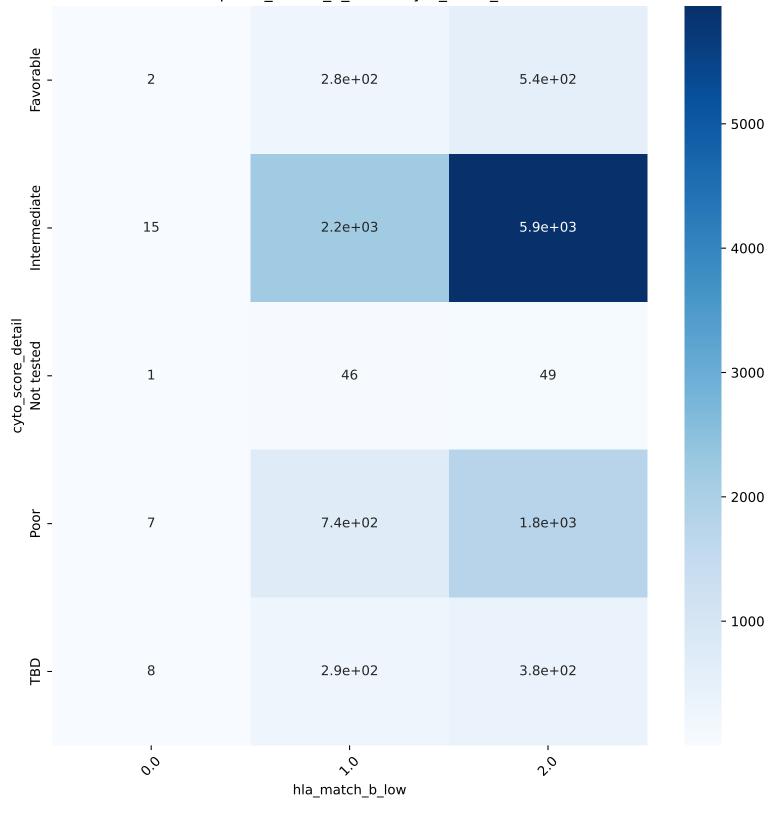




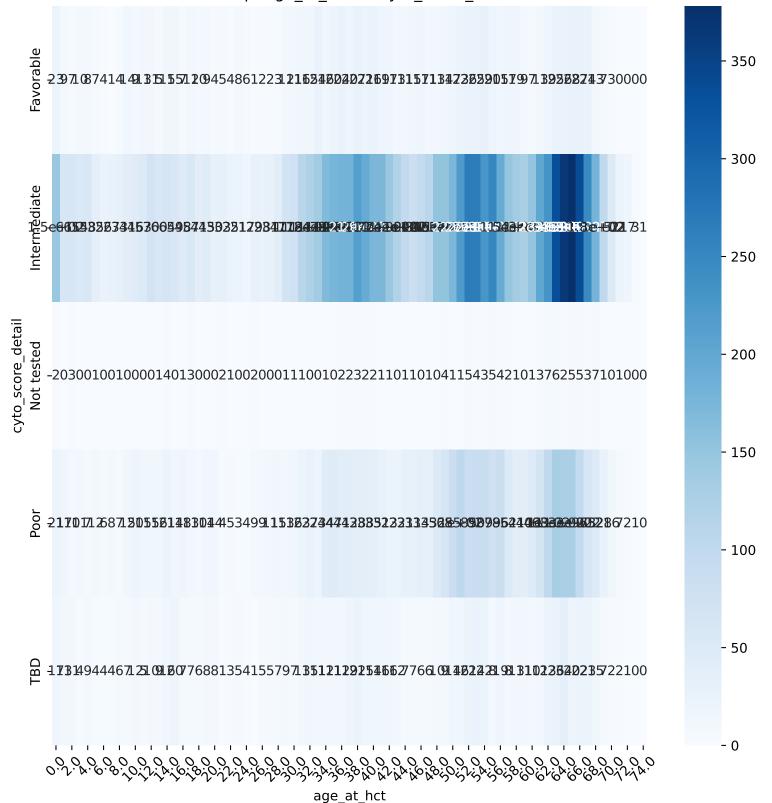
## Heatmap: donor\_age vs cyto\_score\_detail

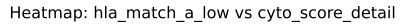


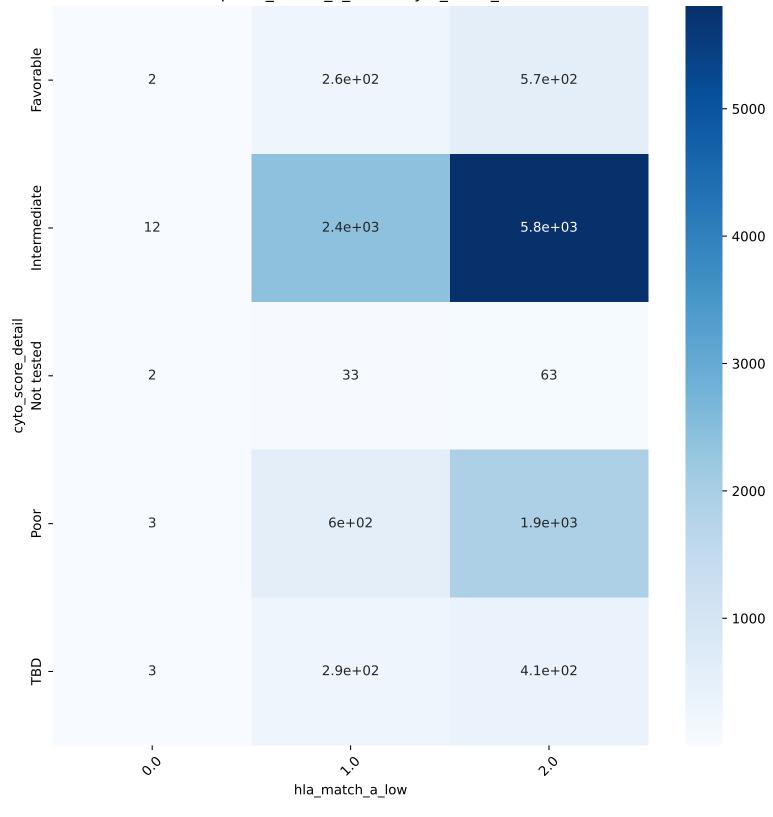


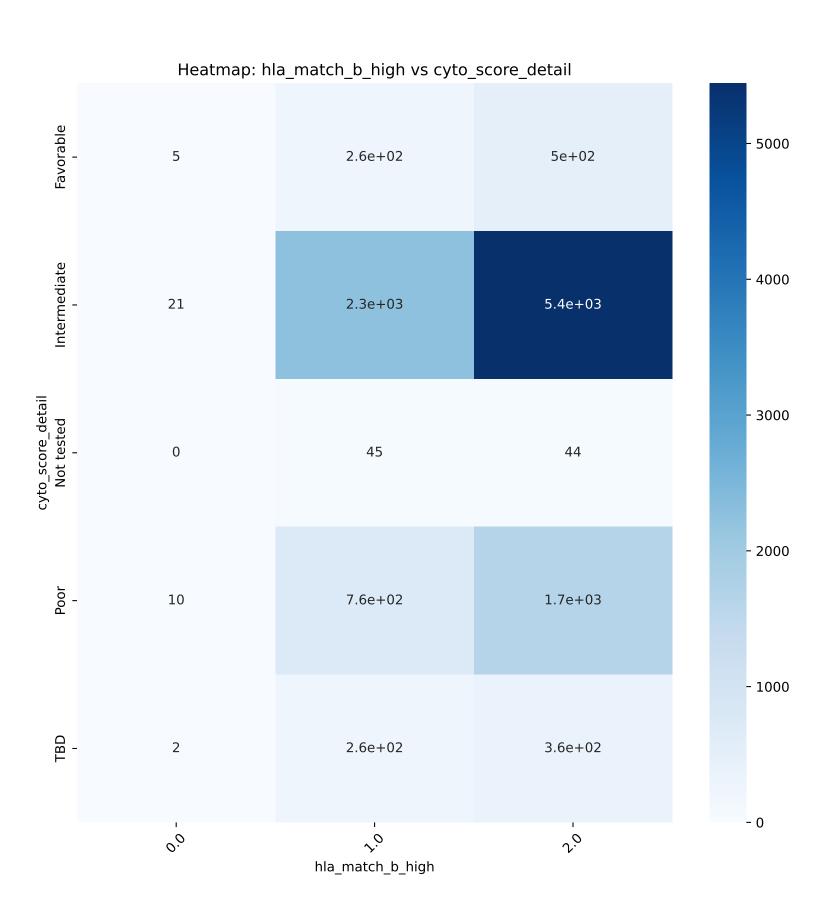


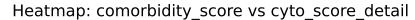
## Heatmap: age\_at\_hct vs cyto\_score\_detail

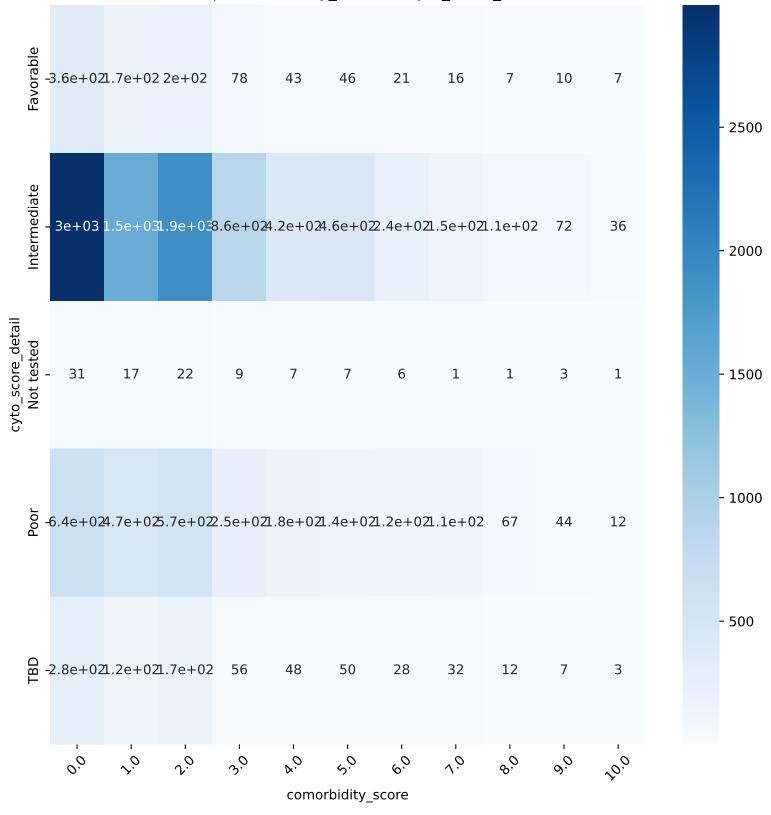




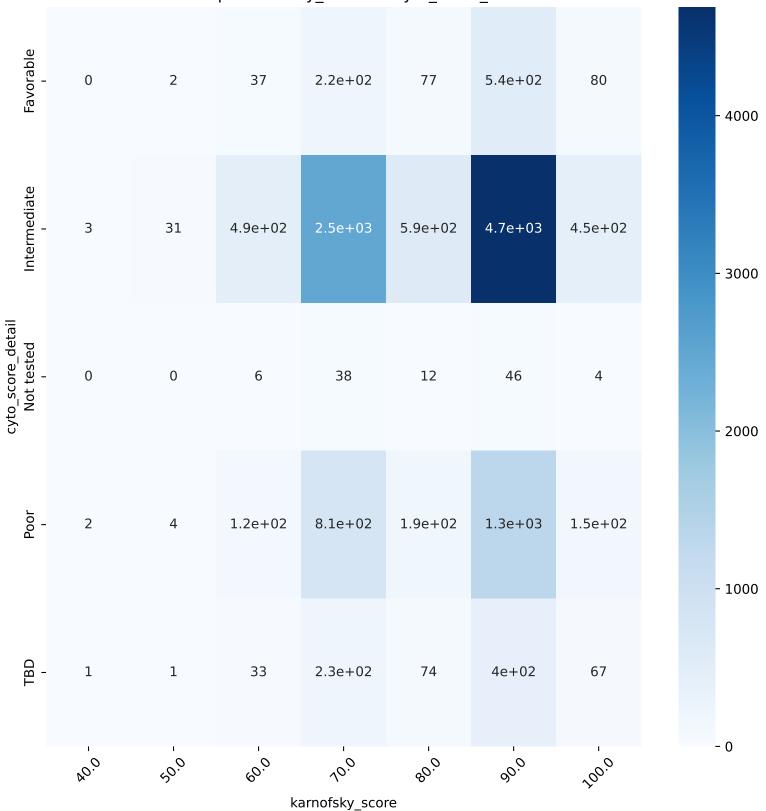




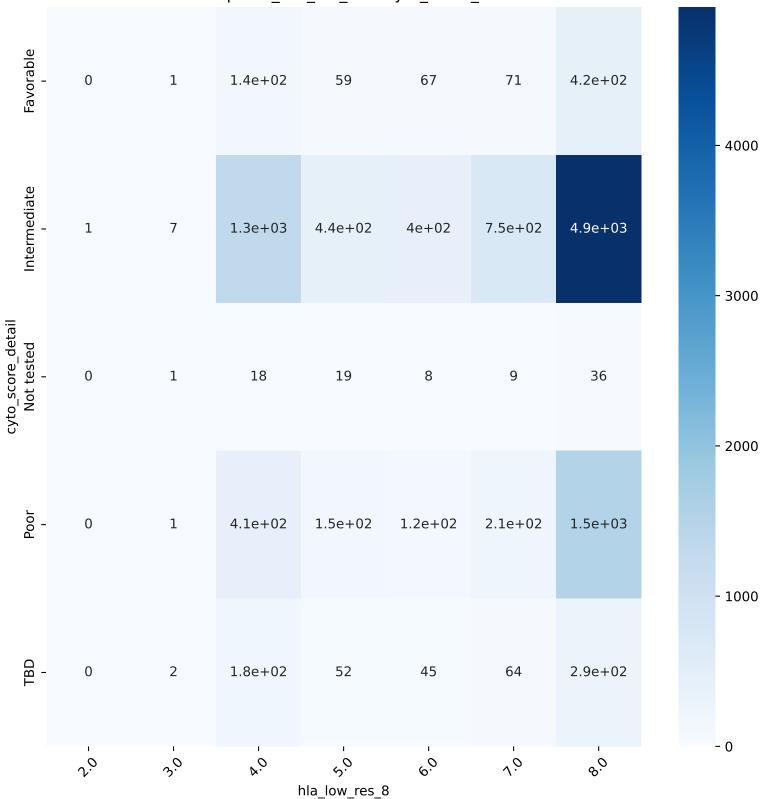


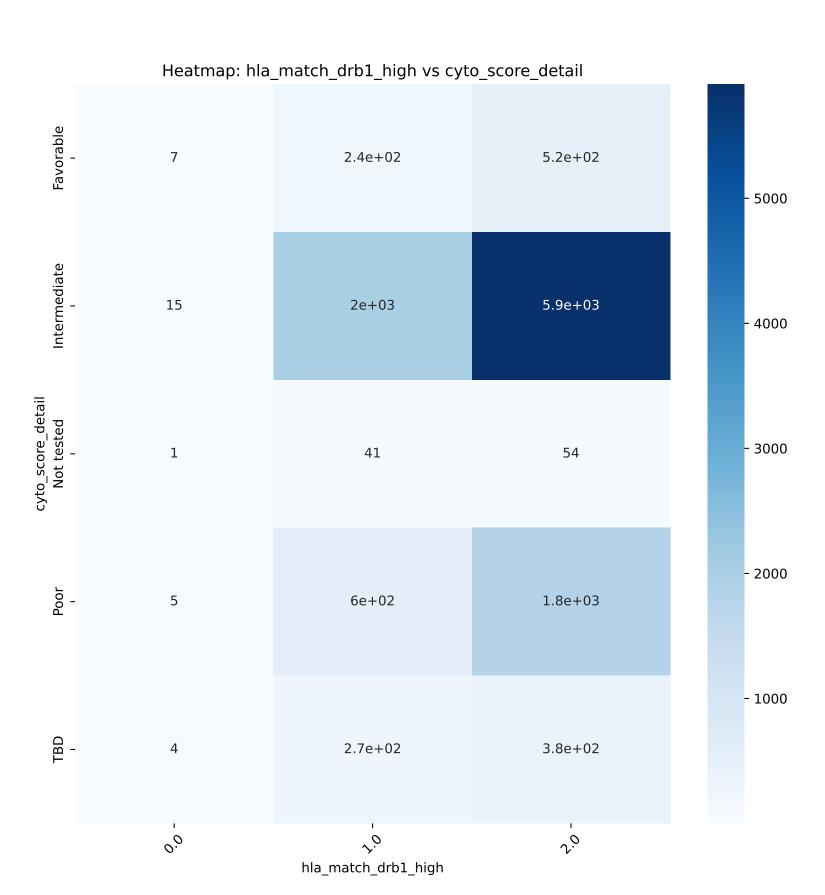


Heatmap: karnofsky\_score vs cyto\_score\_detail

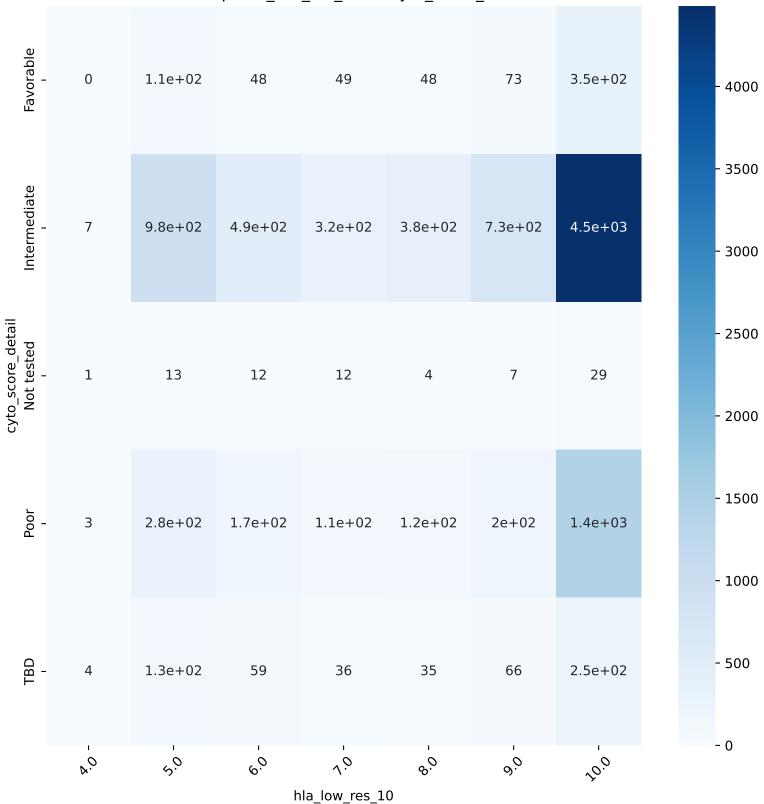


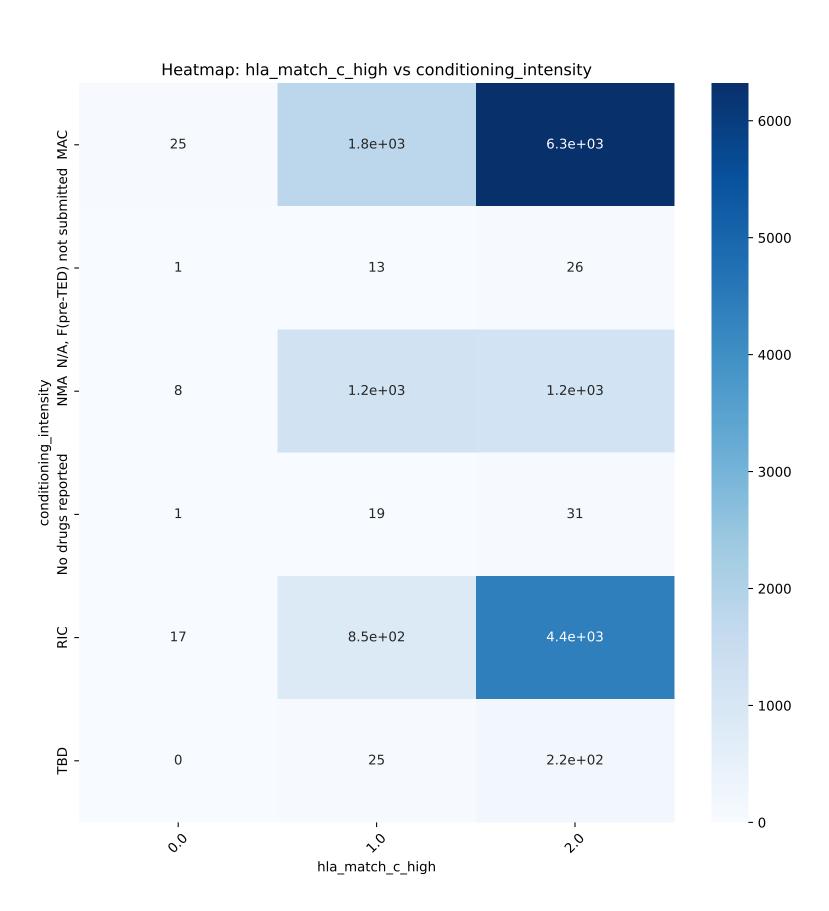
Heatmap: hla\_low\_res\_8 vs cyto\_score\_detail



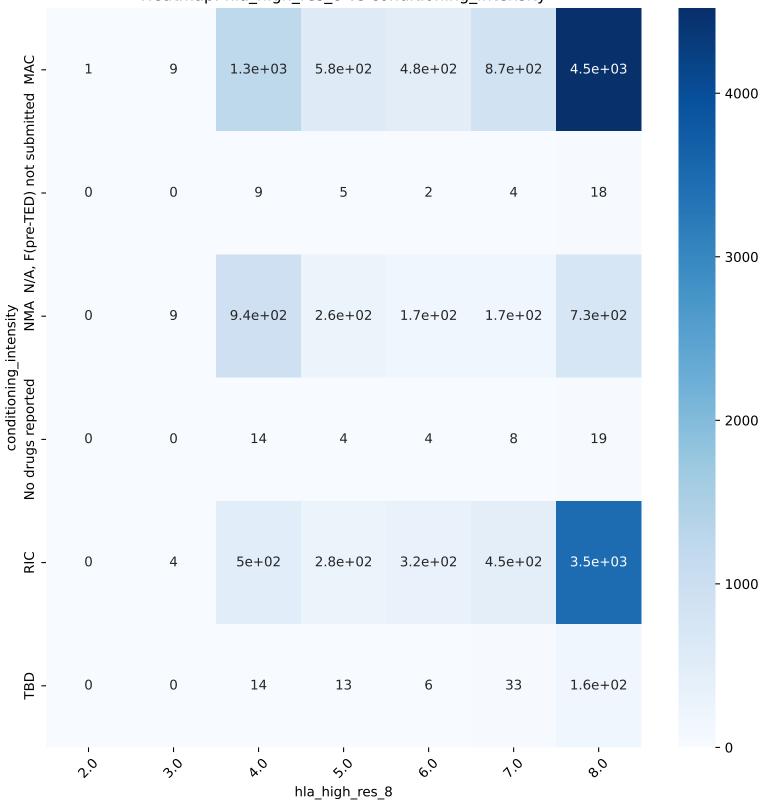


Heatmap: hla\_low\_res\_10 vs cyto\_score\_detail





Heatmap: hla\_high\_res\_8 vs conditioning\_intensity



Heatmap: hla\_low\_res\_6 vs conditioning\_intensity - 5000 conditioning\_intensity
Igs reported NMA N/A, F(pre-TED) not submitted MAC 10 1.6e+03 7e+02 9.5e+02 5.3e+03 4000 12 21 0 5 4 2 1.2e+03 2.6e+02 2.3e+02 9.1e+02 3000 No drugs reported 0 13 10 24 9 2000 3.6e+02 2 6.5e+02 5.4e+02 3.9e+03 - 1000 TBD -0 22 11 31 2e+02

50

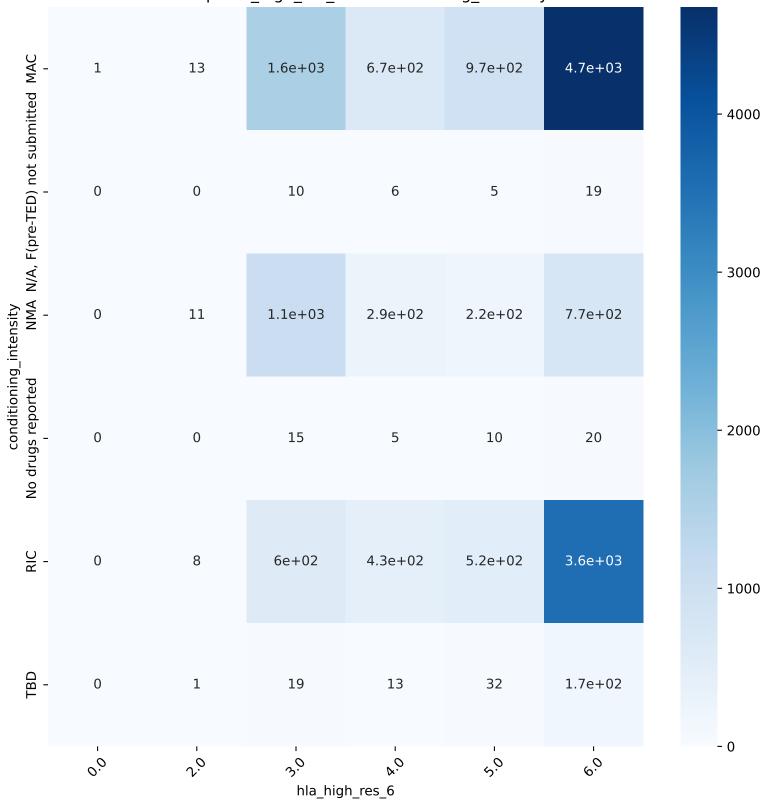
60

×0

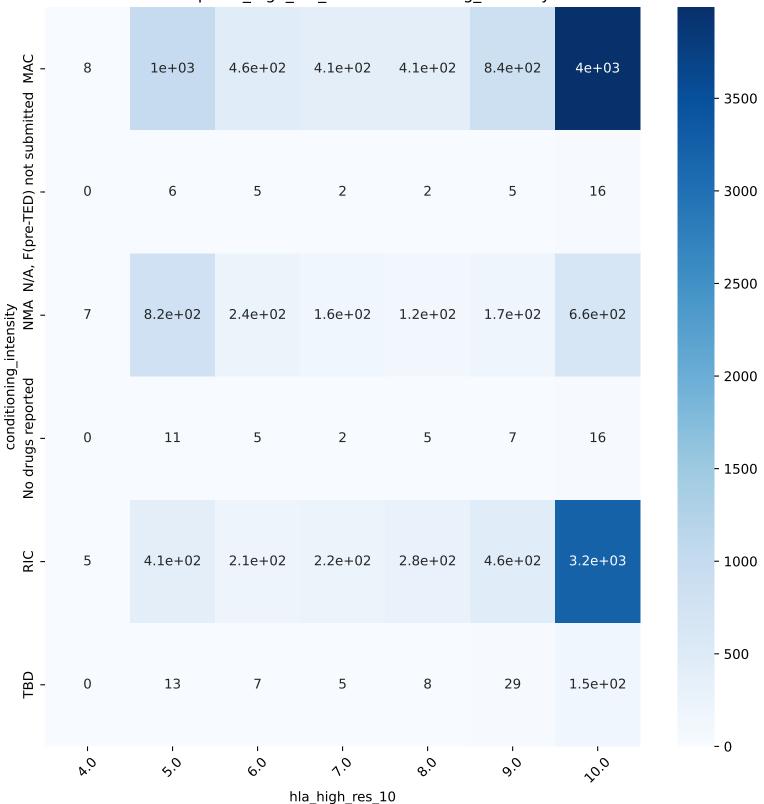
hla\_low\_res\_6

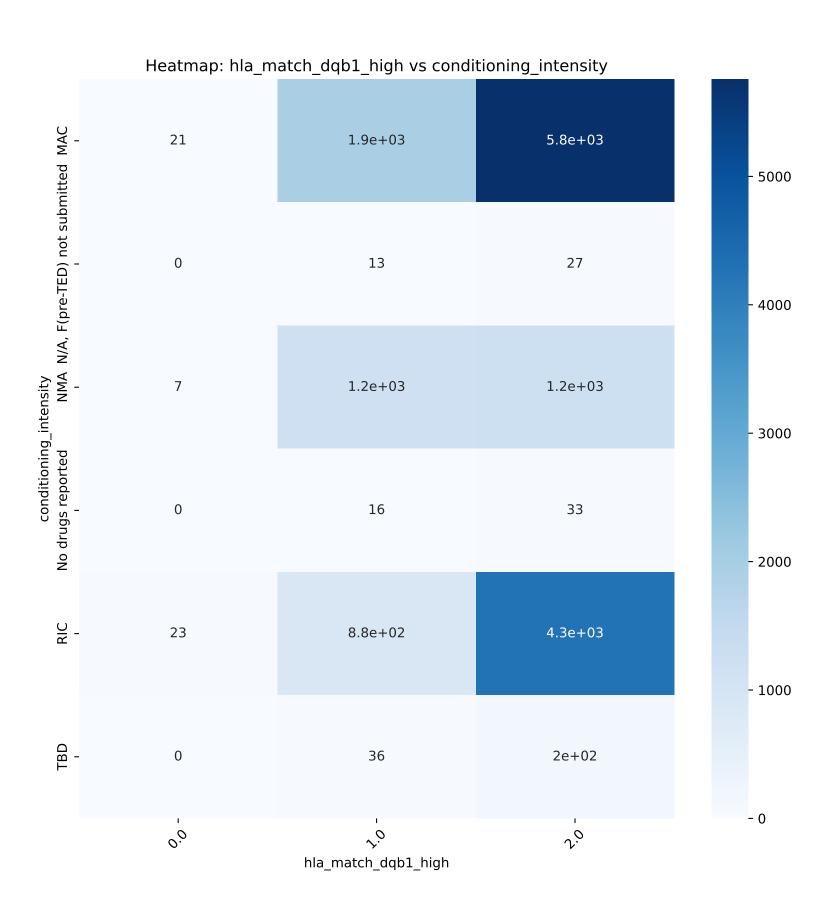
- 0

Heatmap: hla\_high\_res\_6 vs conditioning\_intensity



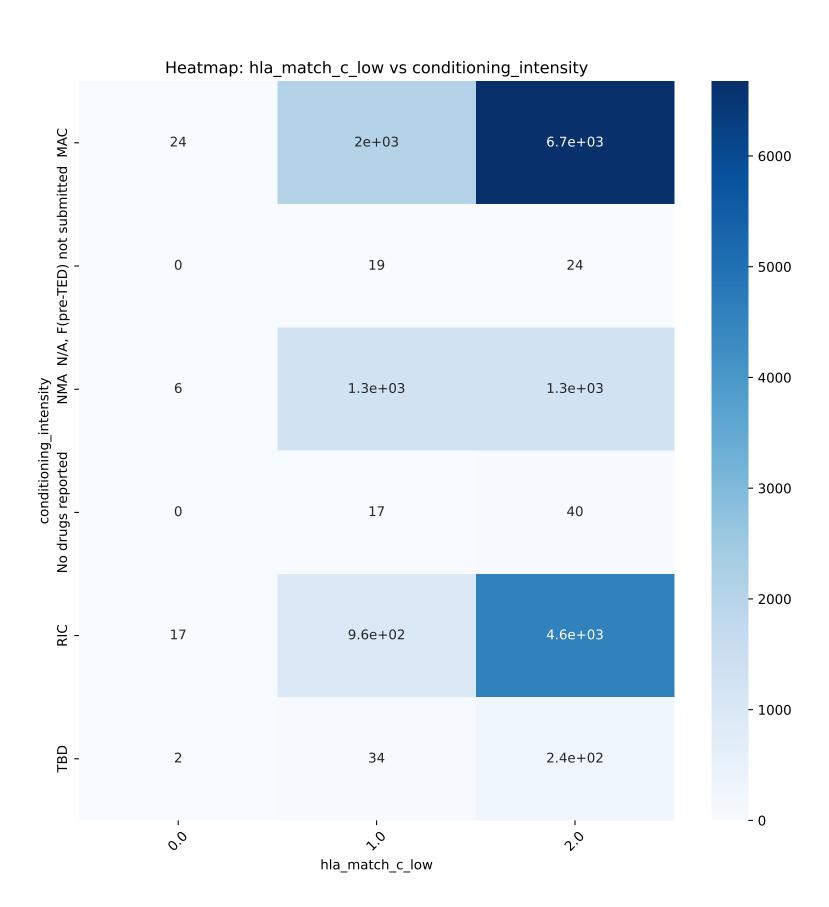
Heatmap: hla\_high\_res\_10 vs conditioning\_intensity

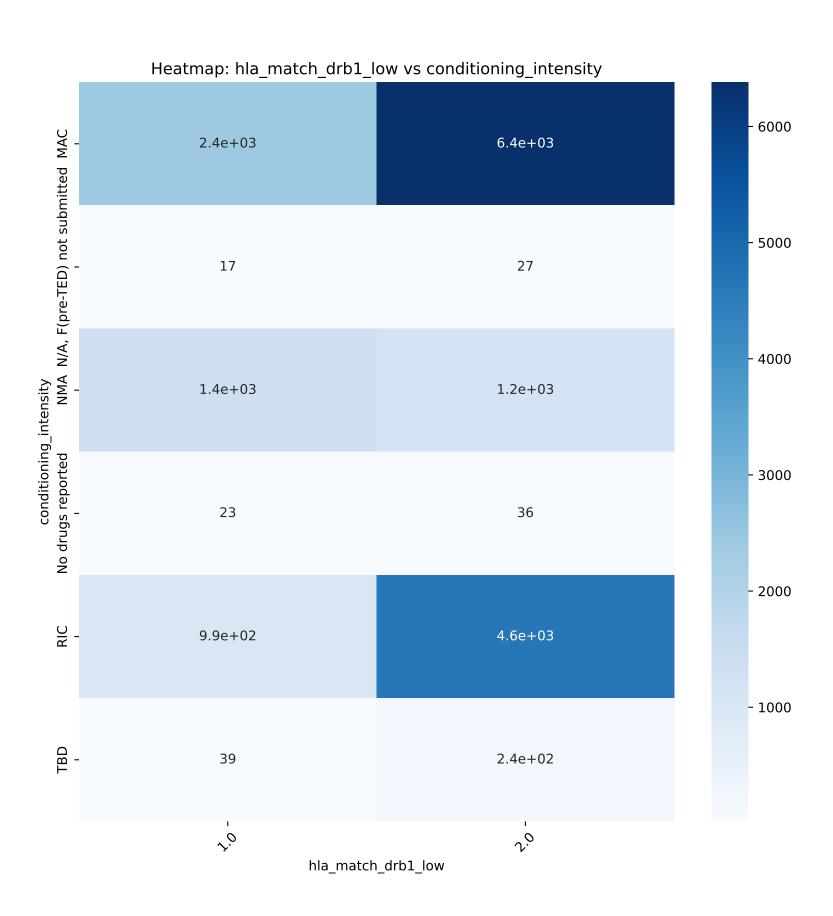


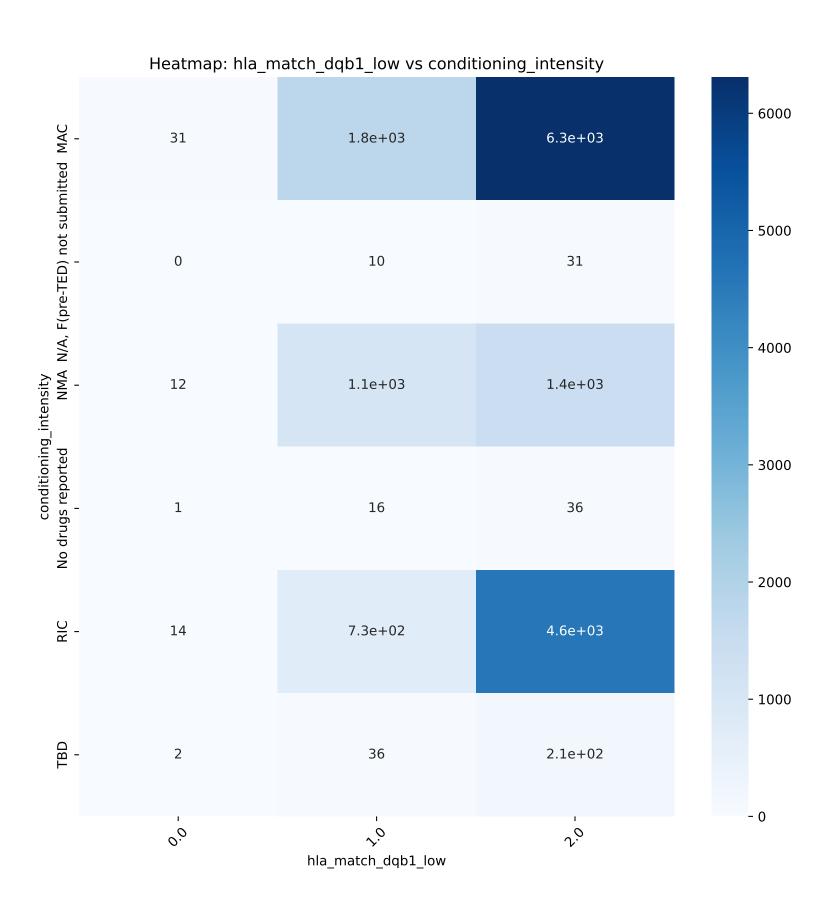


Heatmap: hla\_nmdp\_6 vs conditioning\_intensity conditioning\_intensity
Igs reported NMA N/A, F(pre-TED) not submitted MAC 15 1.6e+03 4.6e+02 1.2e+03 5e+03 4000 10 21 0 6 4 - 3000 3 1.1e+03 2e+02 2.8e+02 8.8e+02 No drugs reported 0 18 1 6 27 - 2000 - R 8 6.8e+02 2.1e+02 3.8e+03 5.9e+02 - 1000 TBD -0 22 7 37 1.9e+02 - 0 **V**.0 50 60

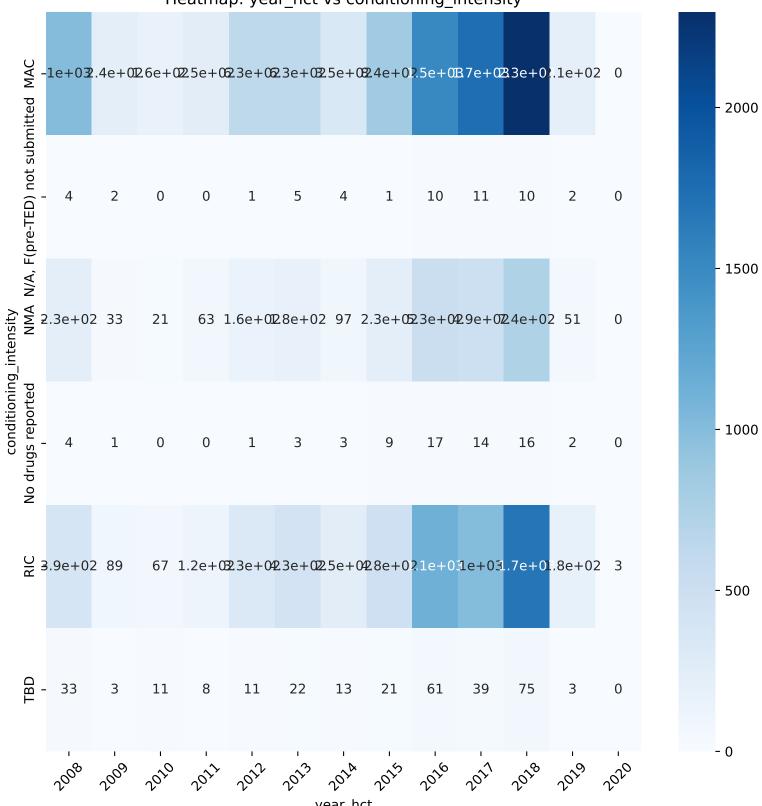
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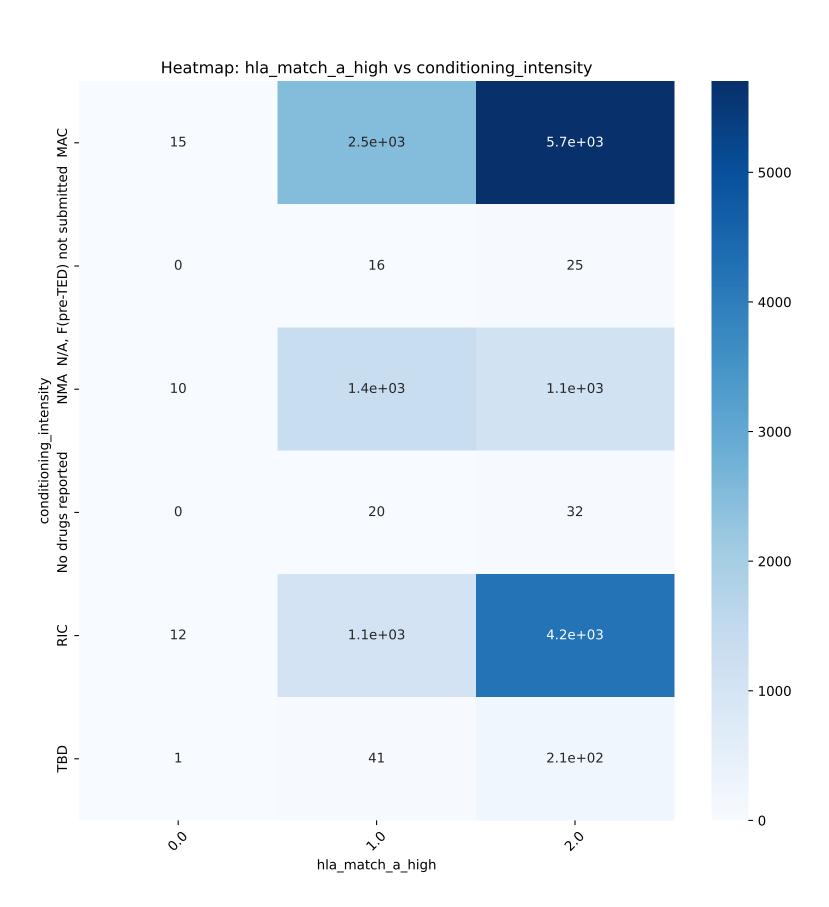




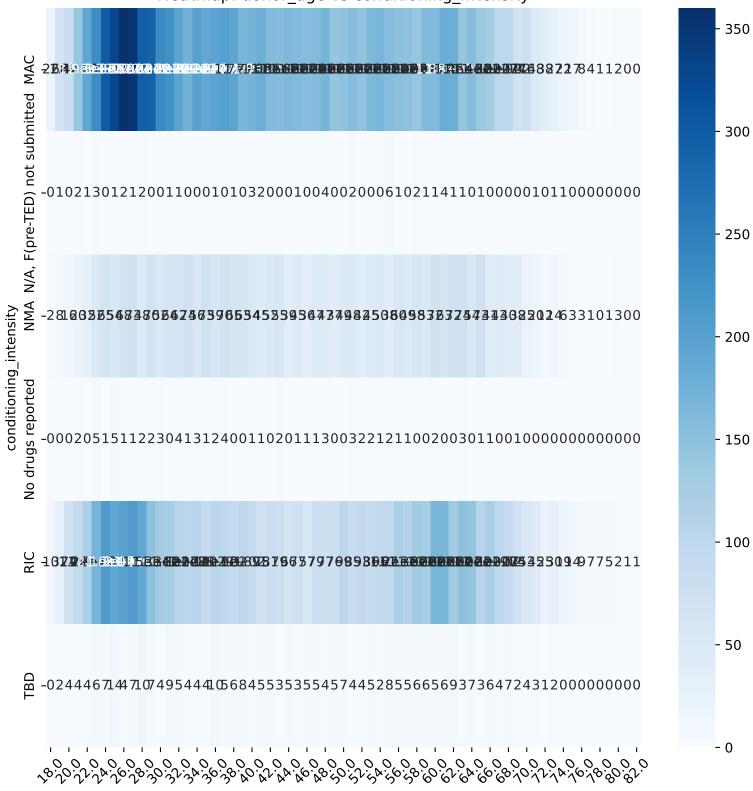


Heatmap: year\_hct vs conditioning\_intensity

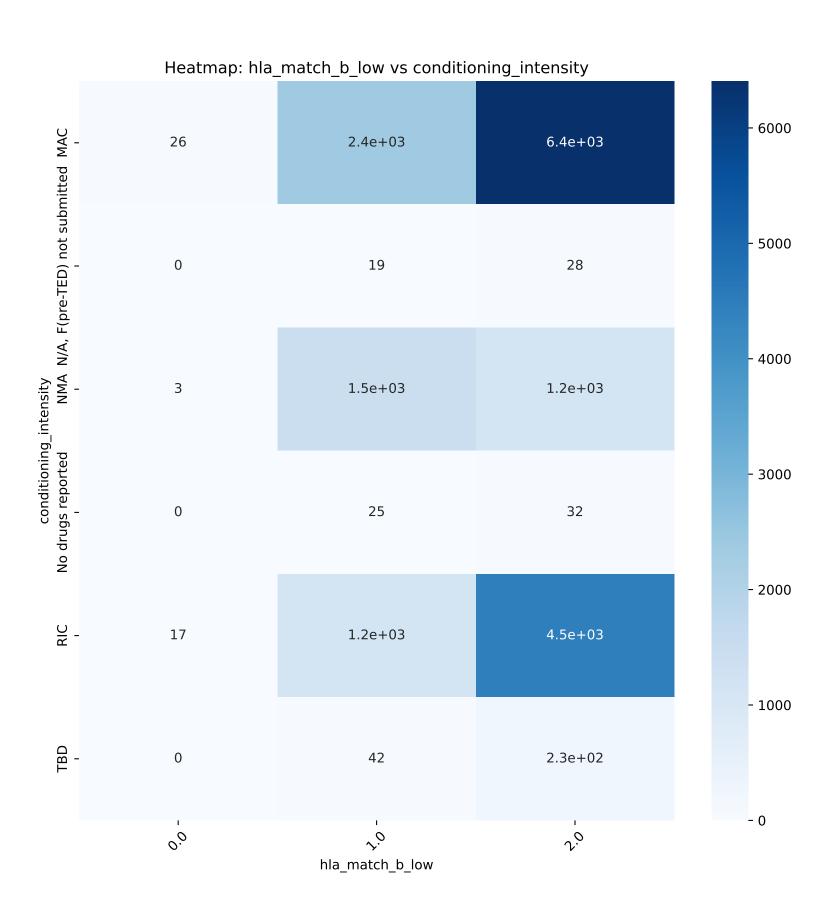




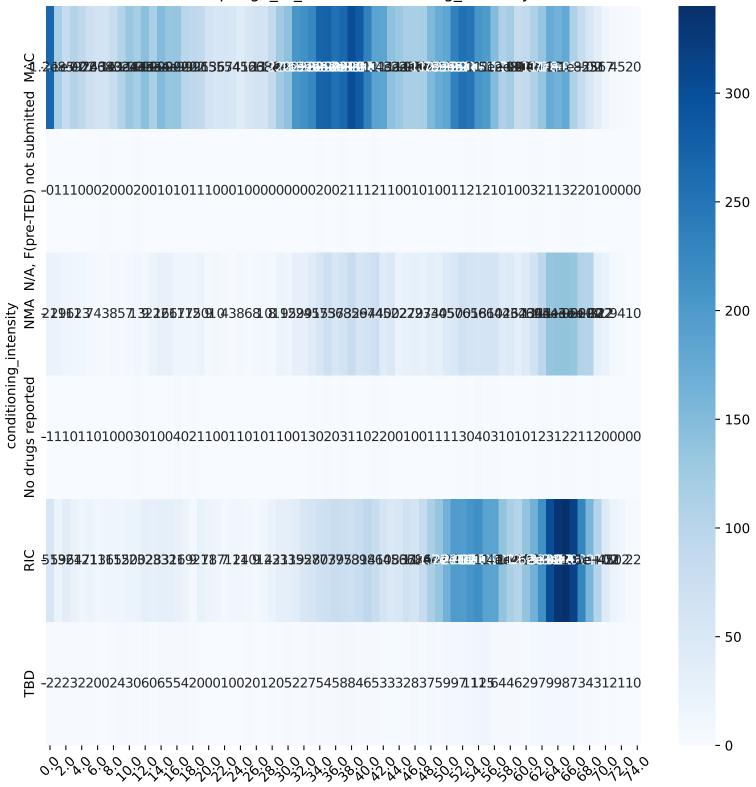
## Heatmap: donor\_age vs conditioning\_intensity

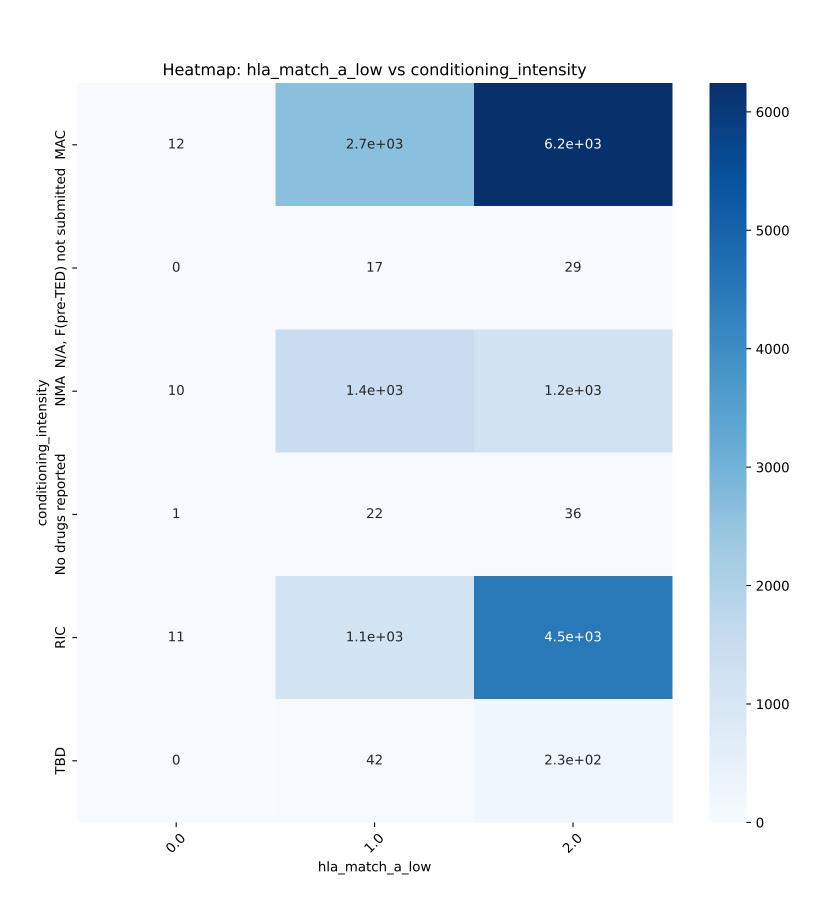


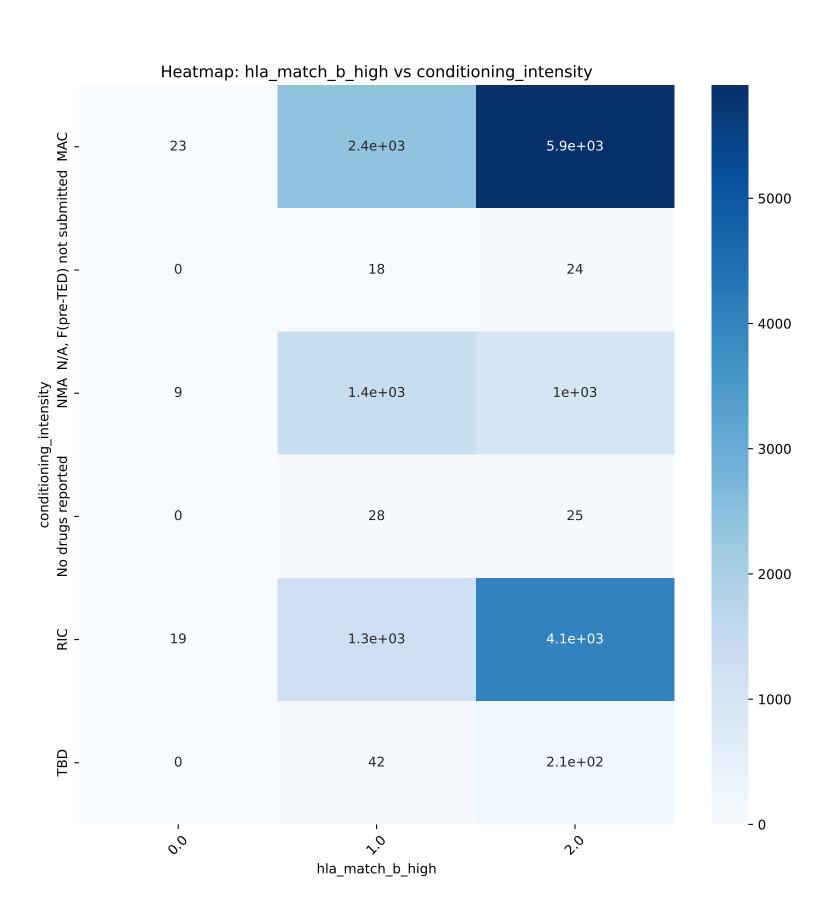
donor\_age



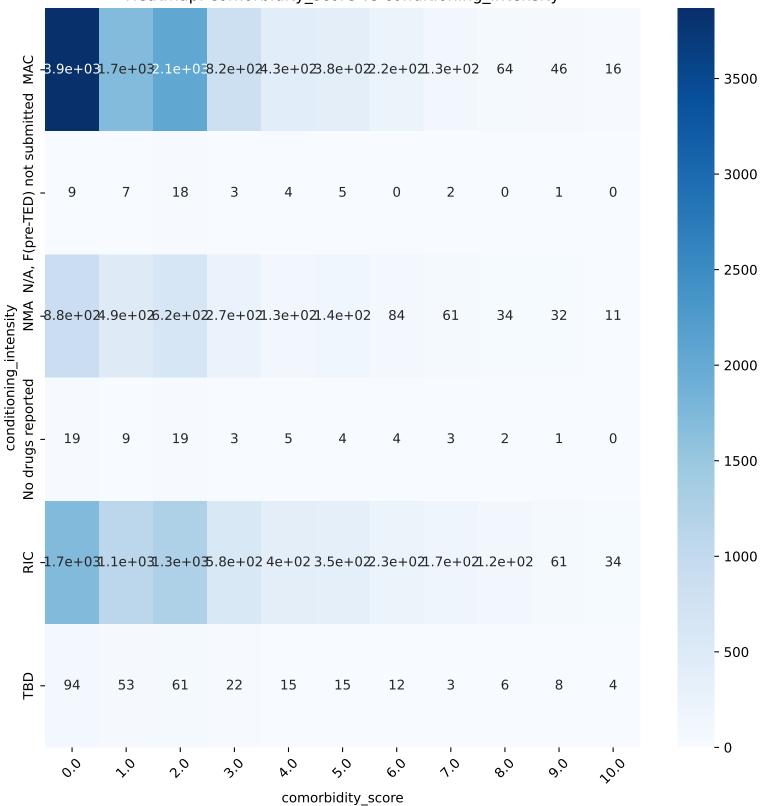
## Heatmap: age\_at\_hct vs conditioning\_intensity



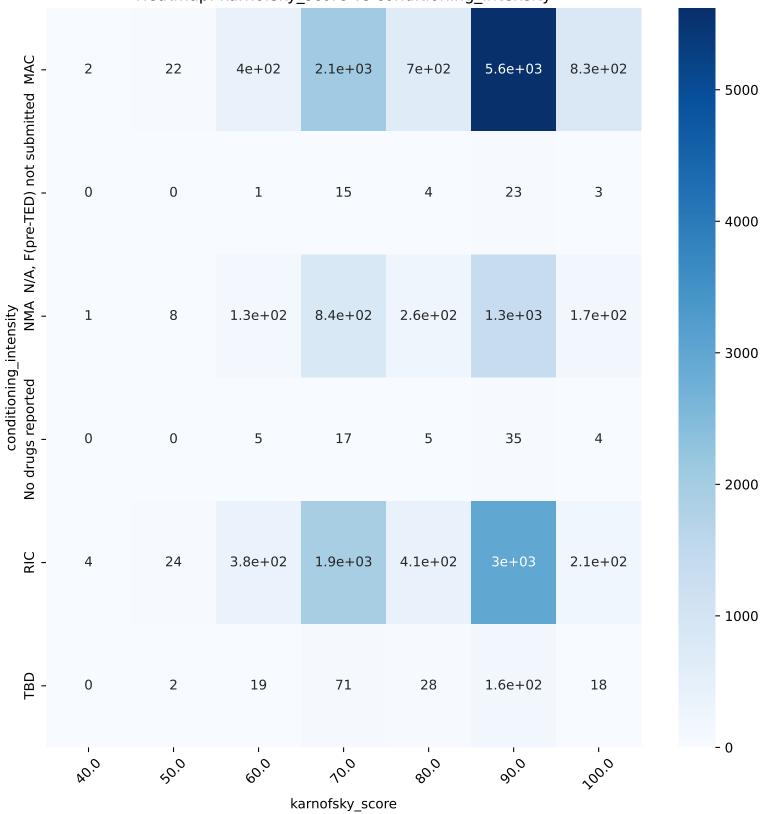




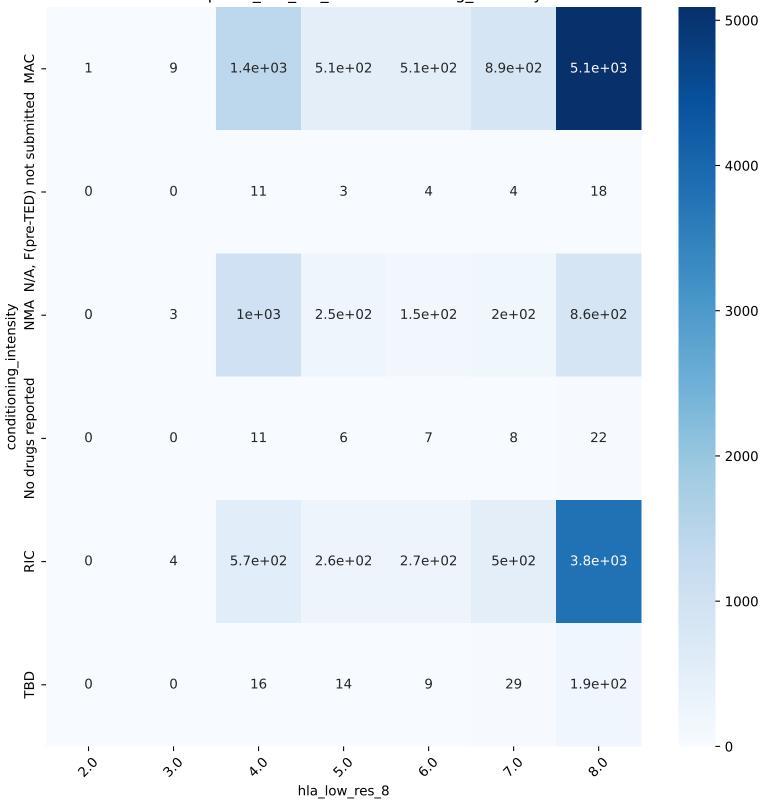
Heatmap: comorbidity\_score vs conditioning\_intensity

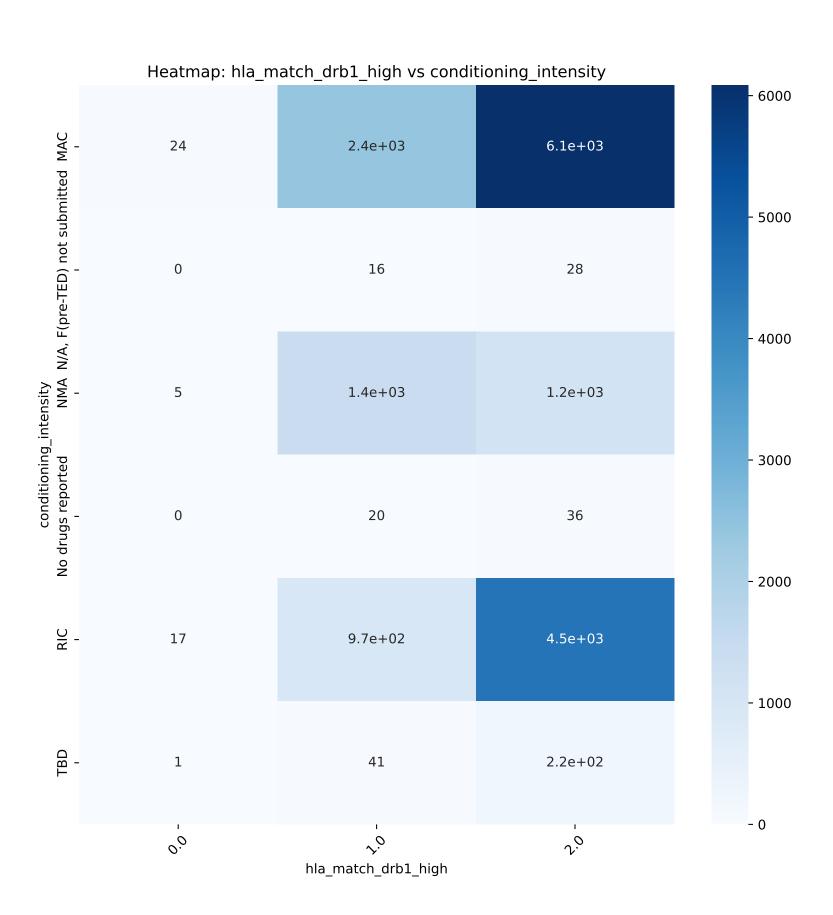


Heatmap: karnofsky\_score vs conditioning\_intensity

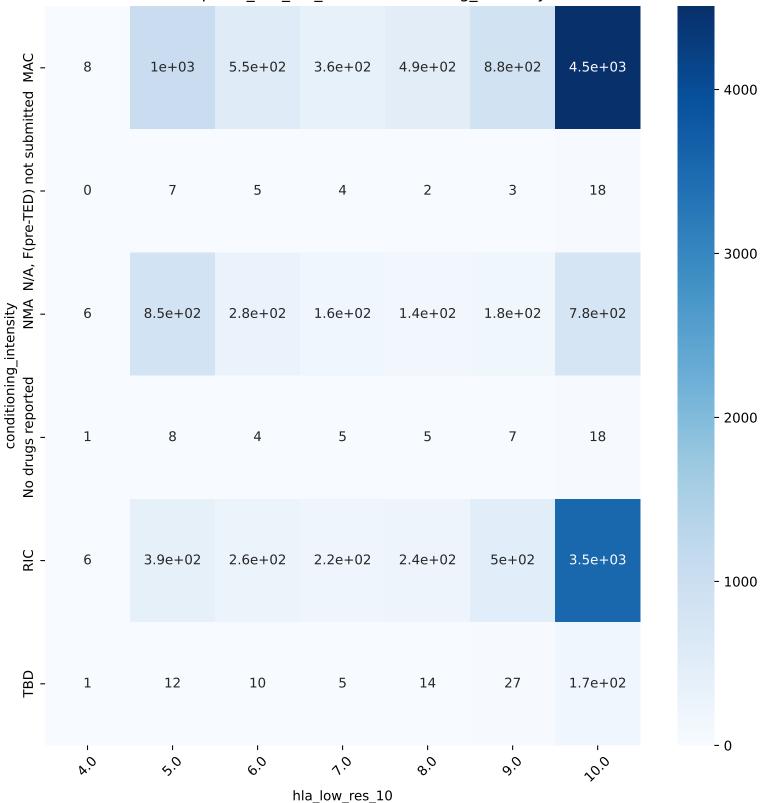


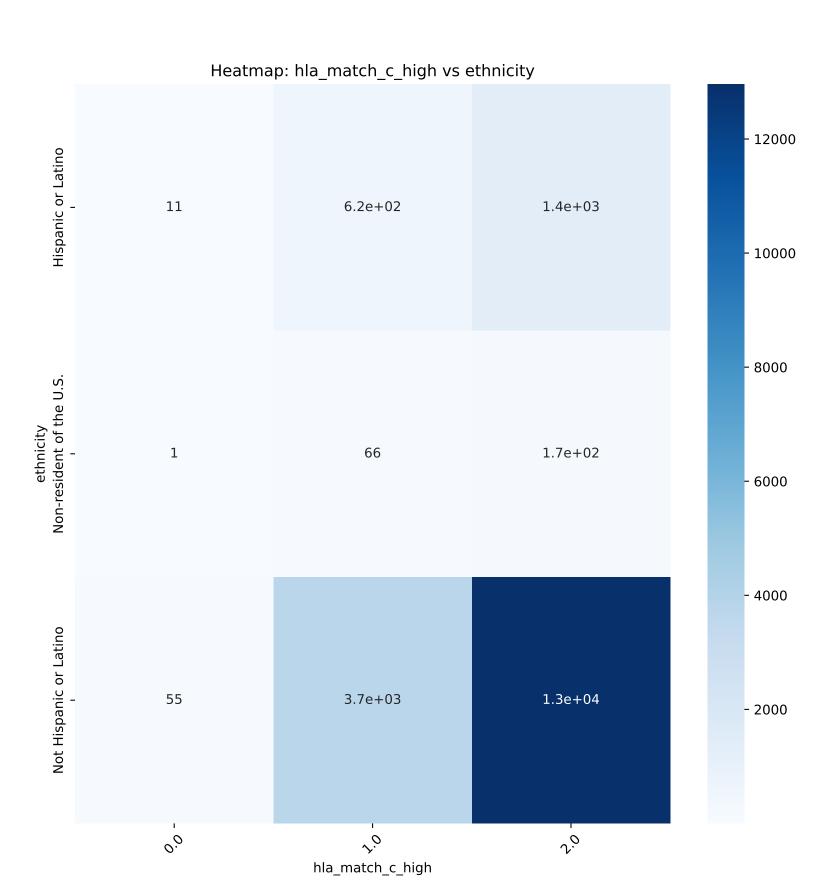
Heatmap: hla\_low\_res\_8 vs conditioning\_intensity



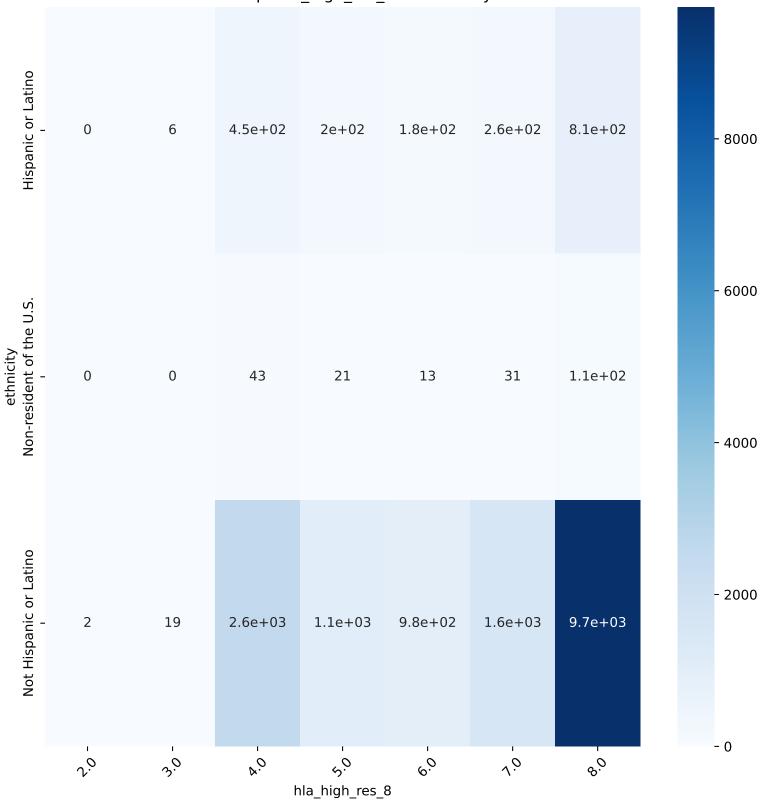


Heatmap: hla\_low\_res\_10 vs conditioning\_intensity

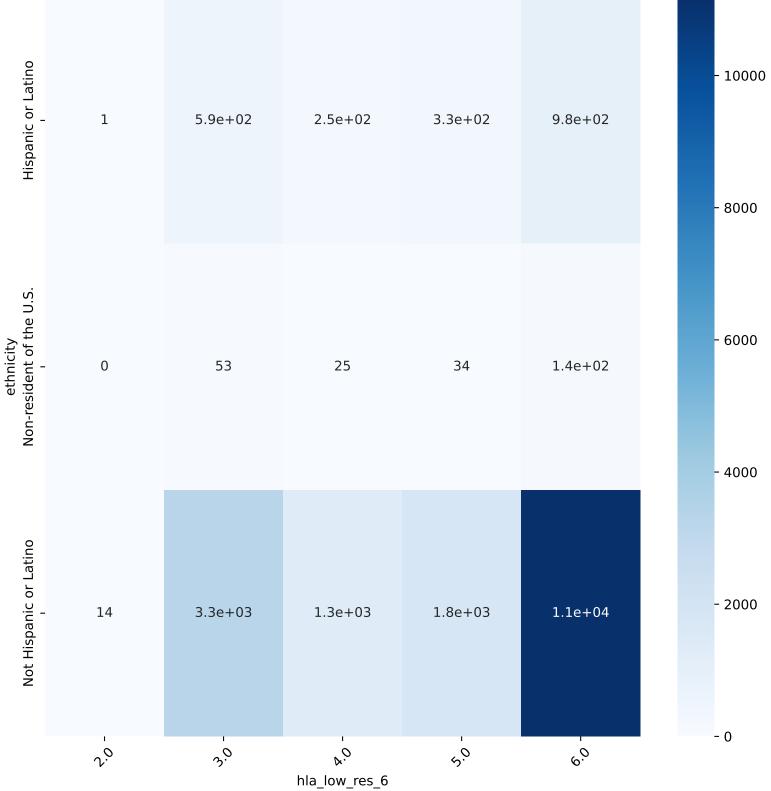


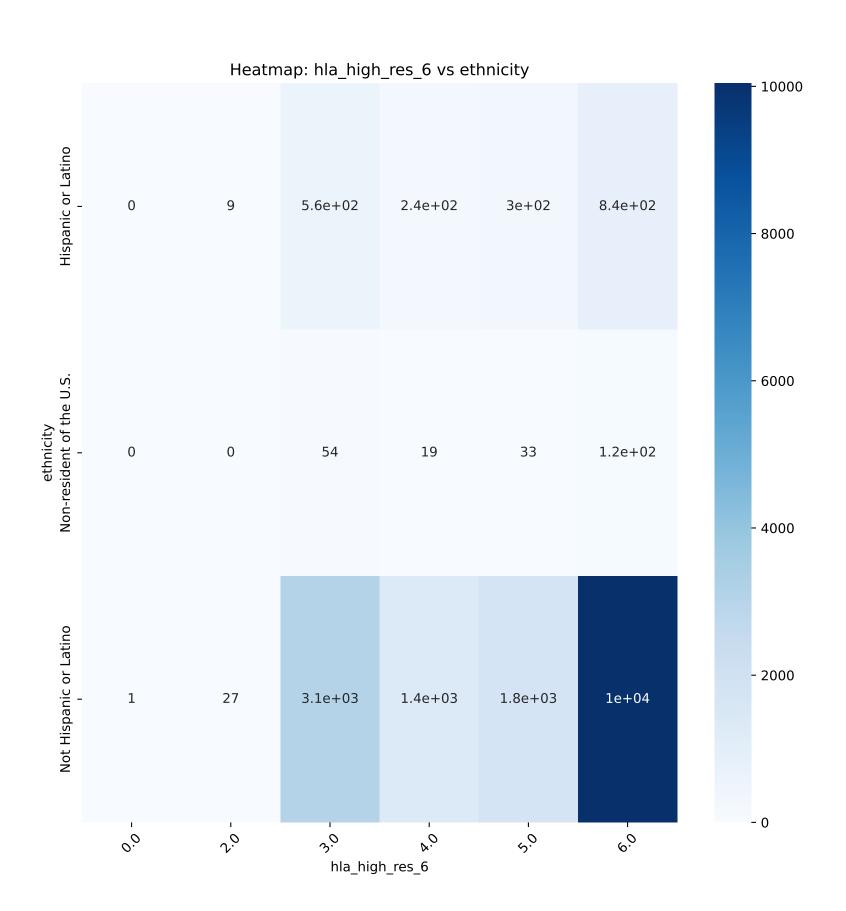


Heatmap: hla\_high\_res\_8 vs ethnicity

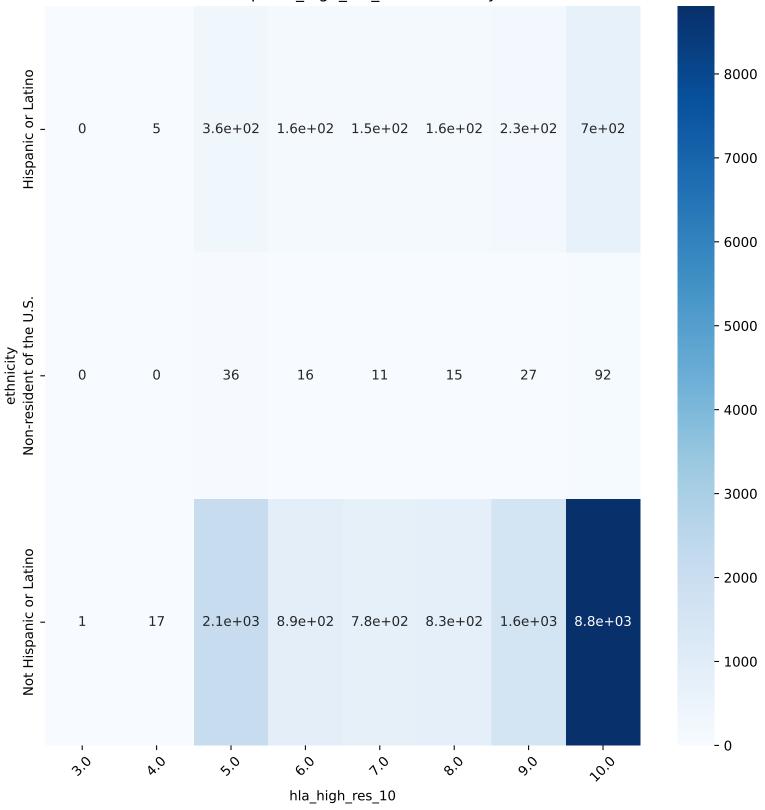


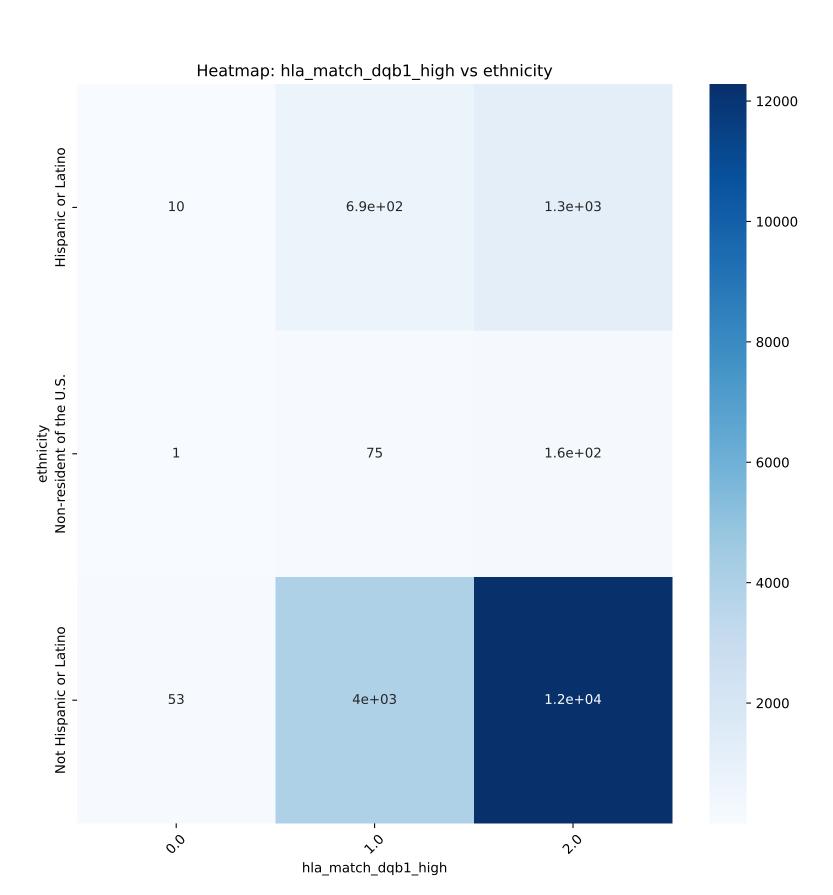
Heatmap: hla\_low\_res\_6 vs ethnicity



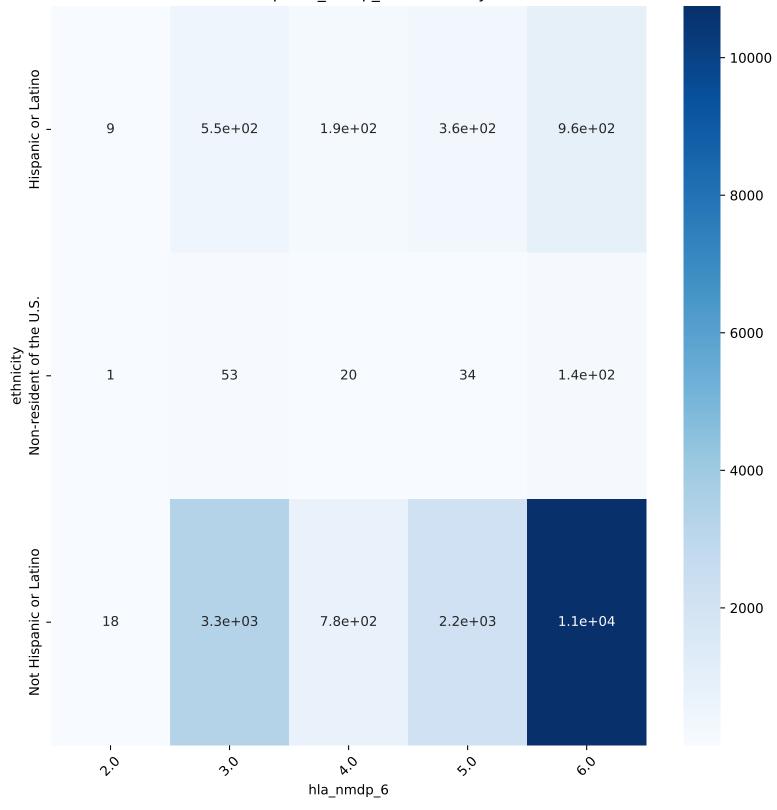


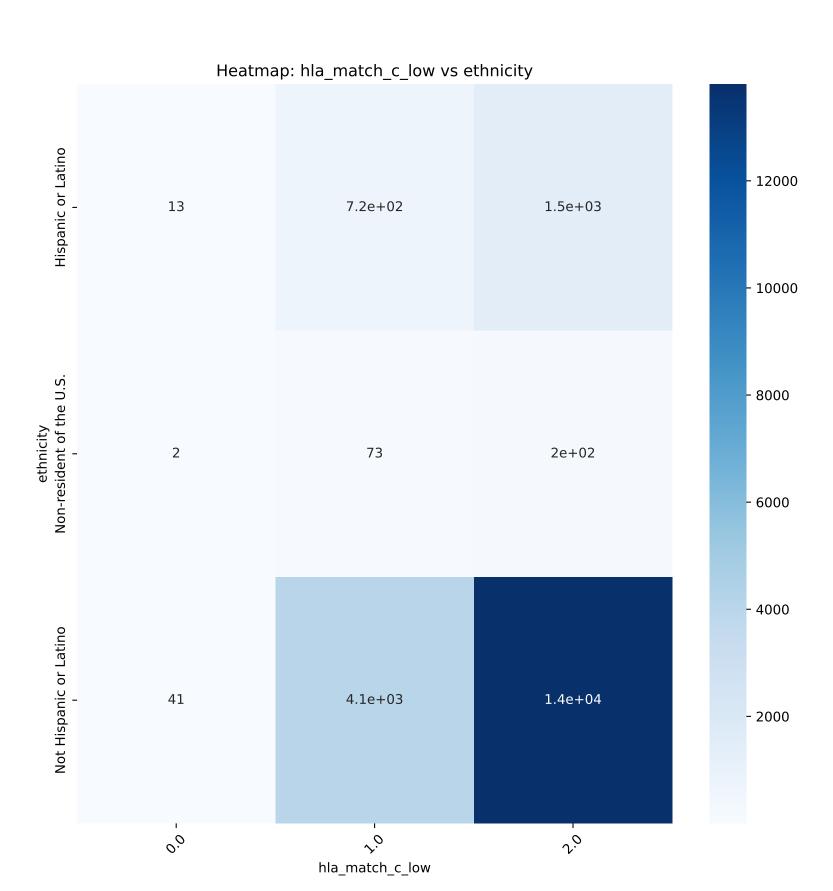
Heatmap: hla\_high\_res\_10 vs ethnicity

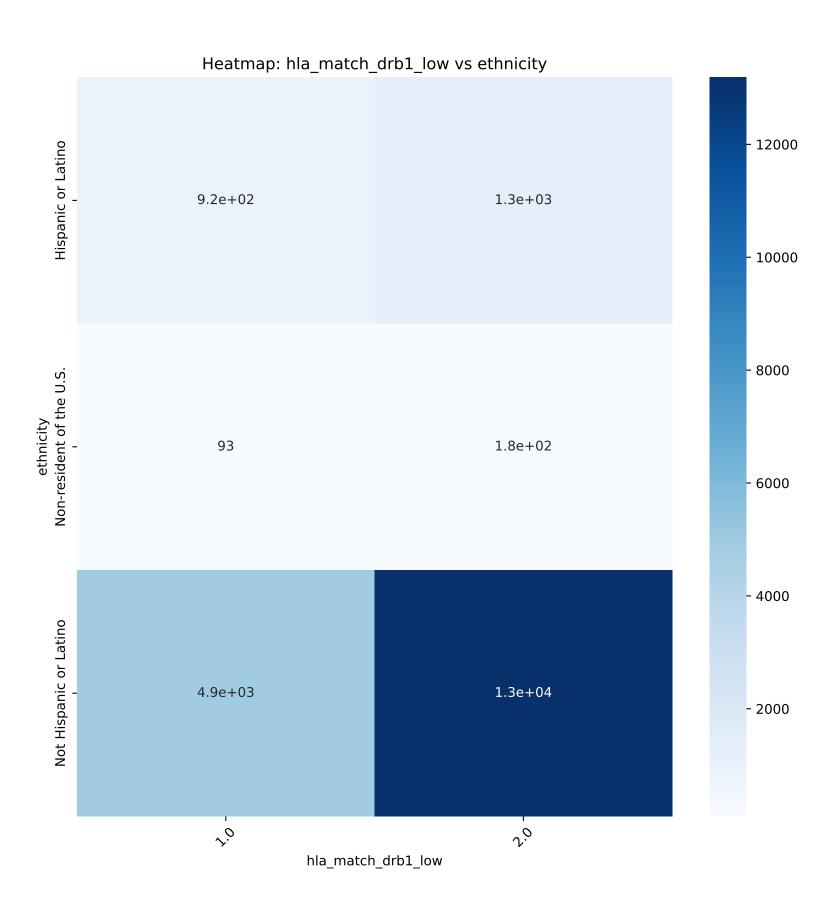


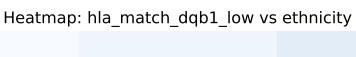


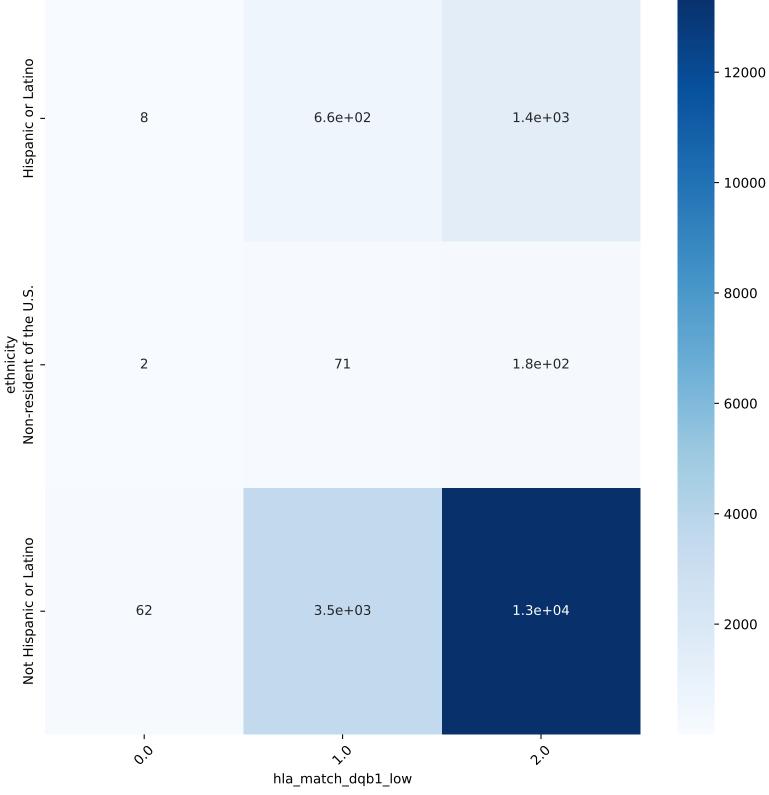
Heatmap: hla\_nmdp\_6 vs ethnicity



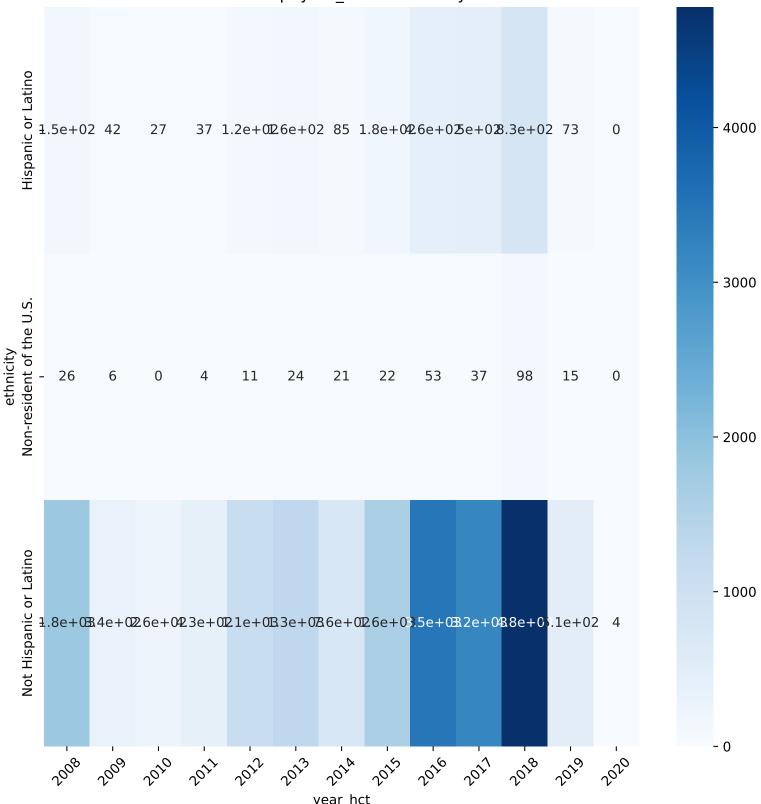


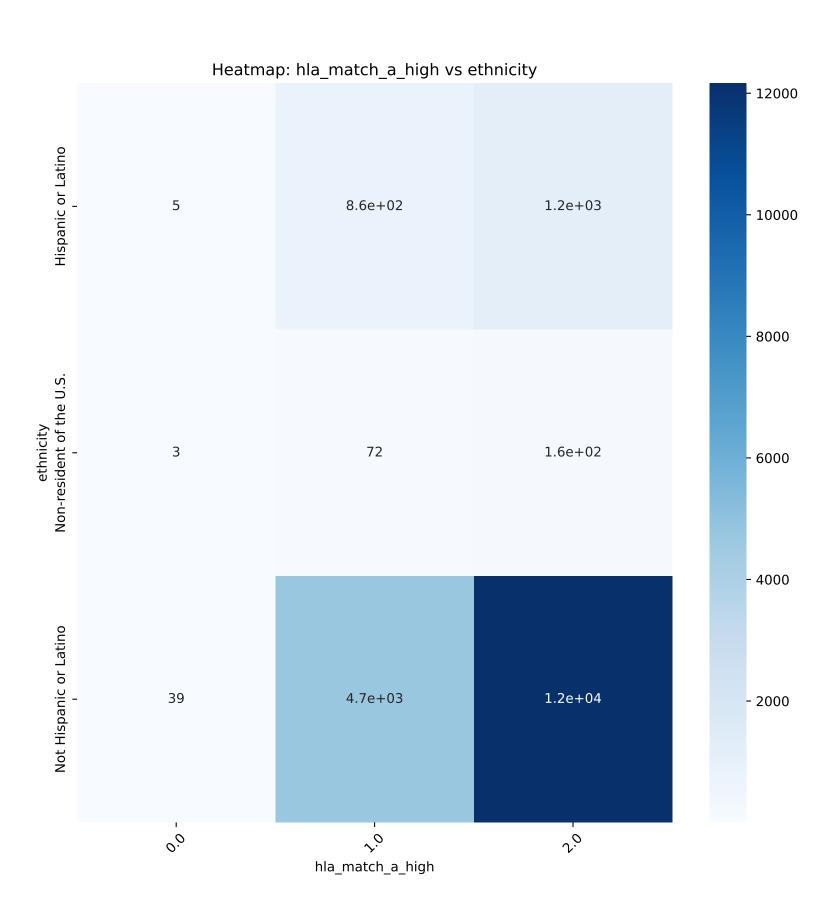




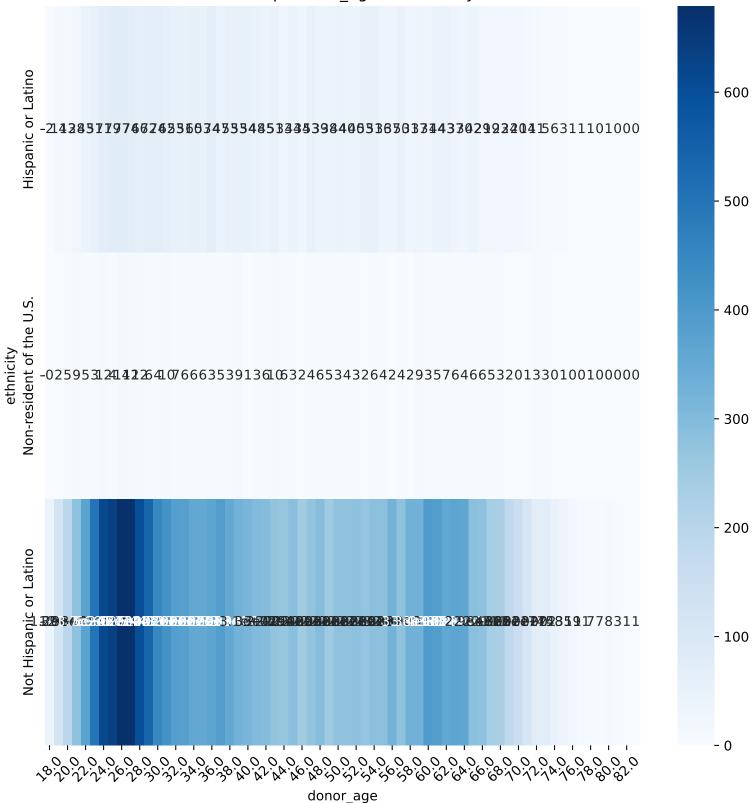


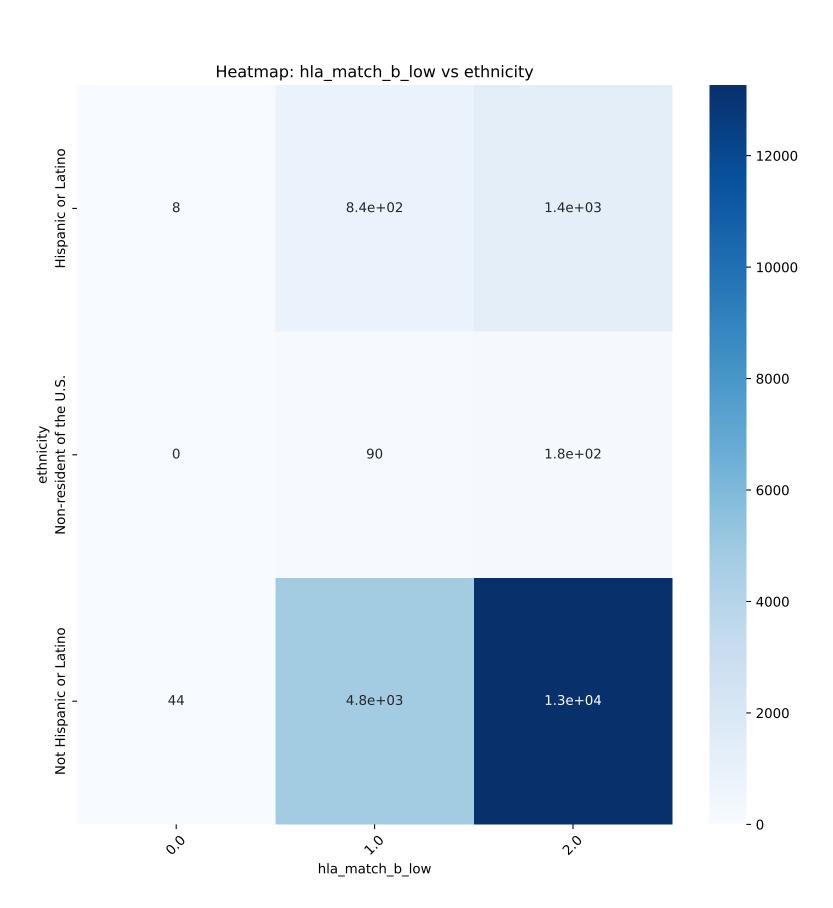
Heatmap: year\_hct vs ethnicity

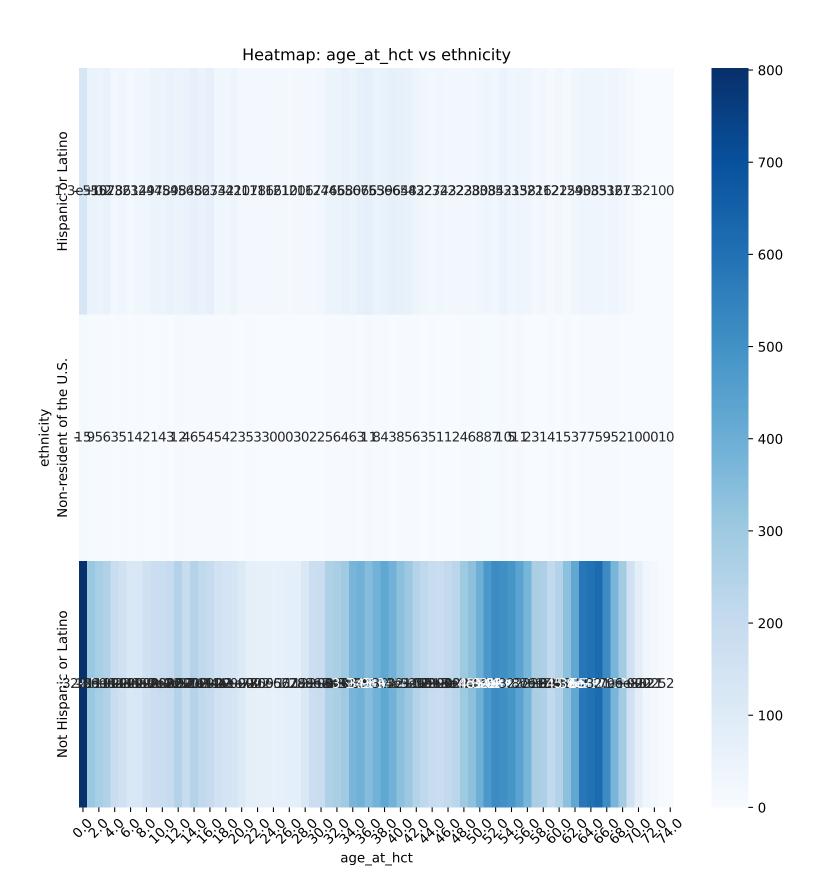


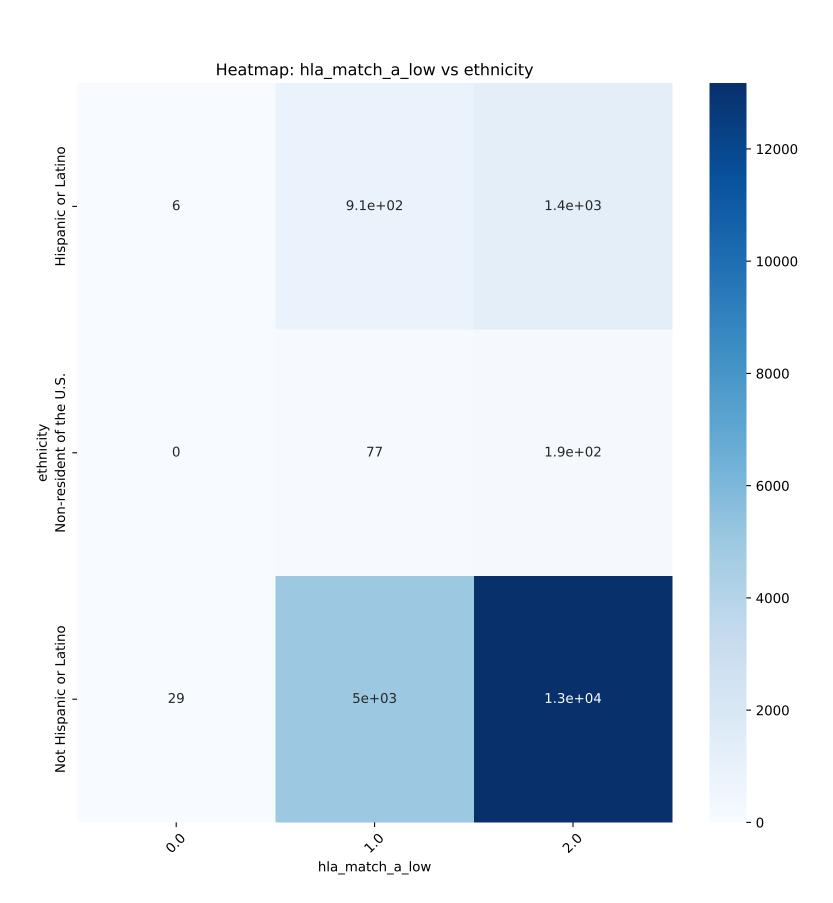


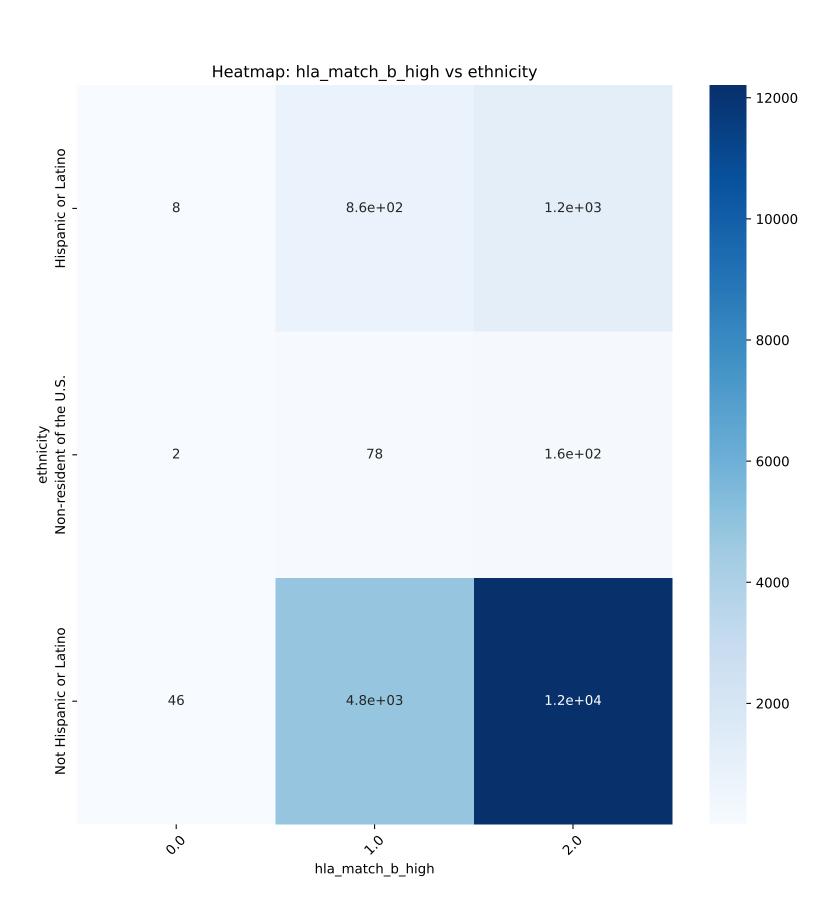
Heatmap: donor\_age vs ethnicity



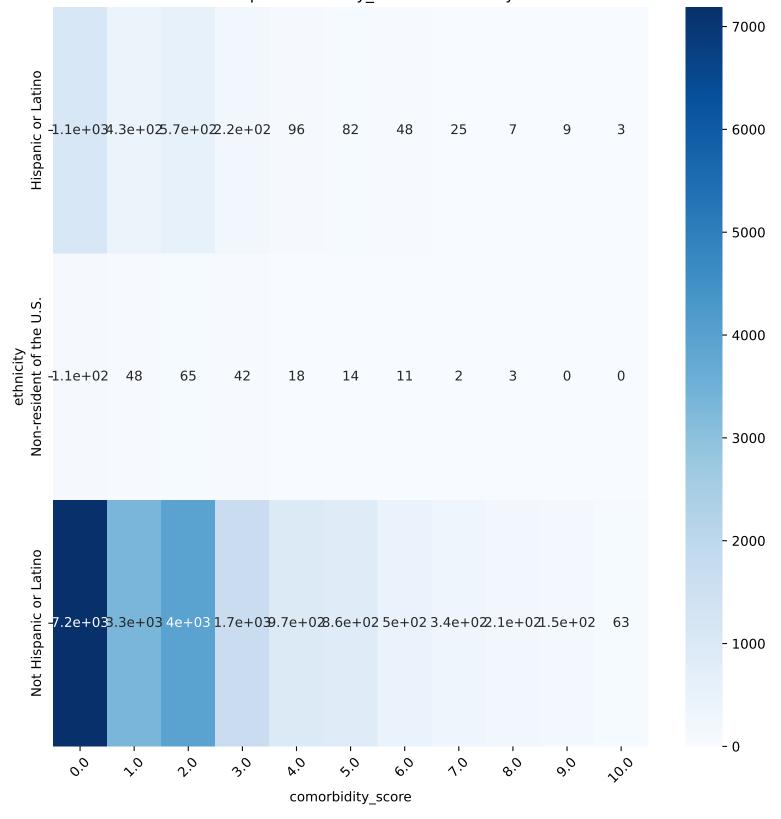




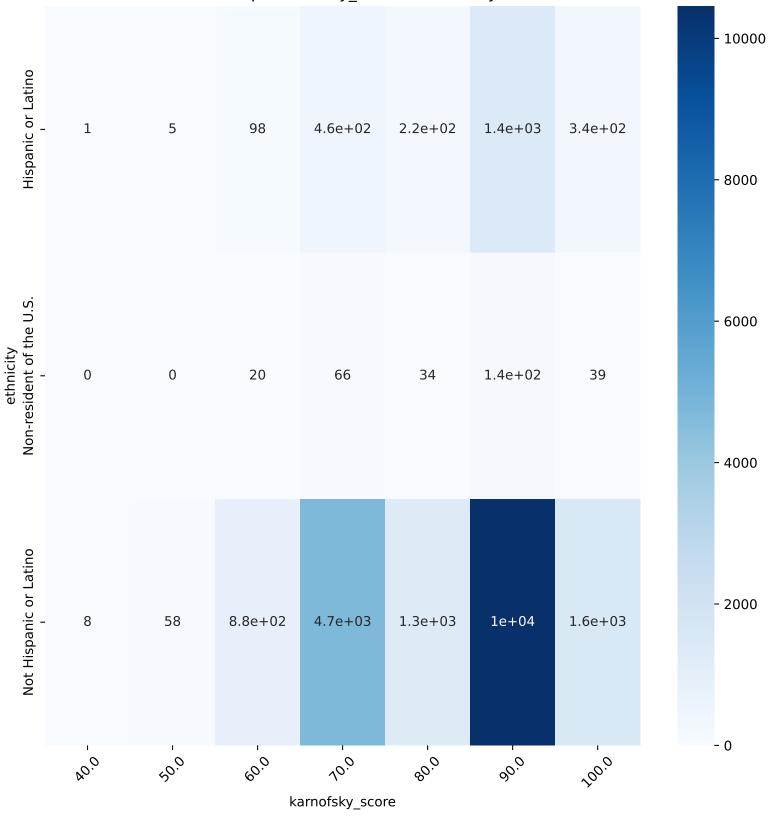




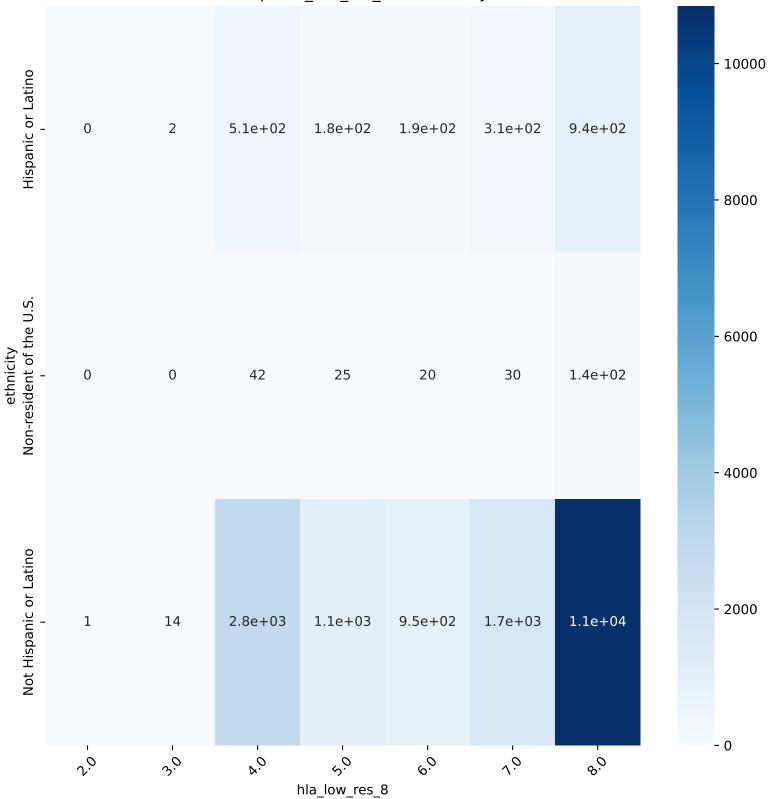
Heatmap: comorbidity\_score vs ethnicity

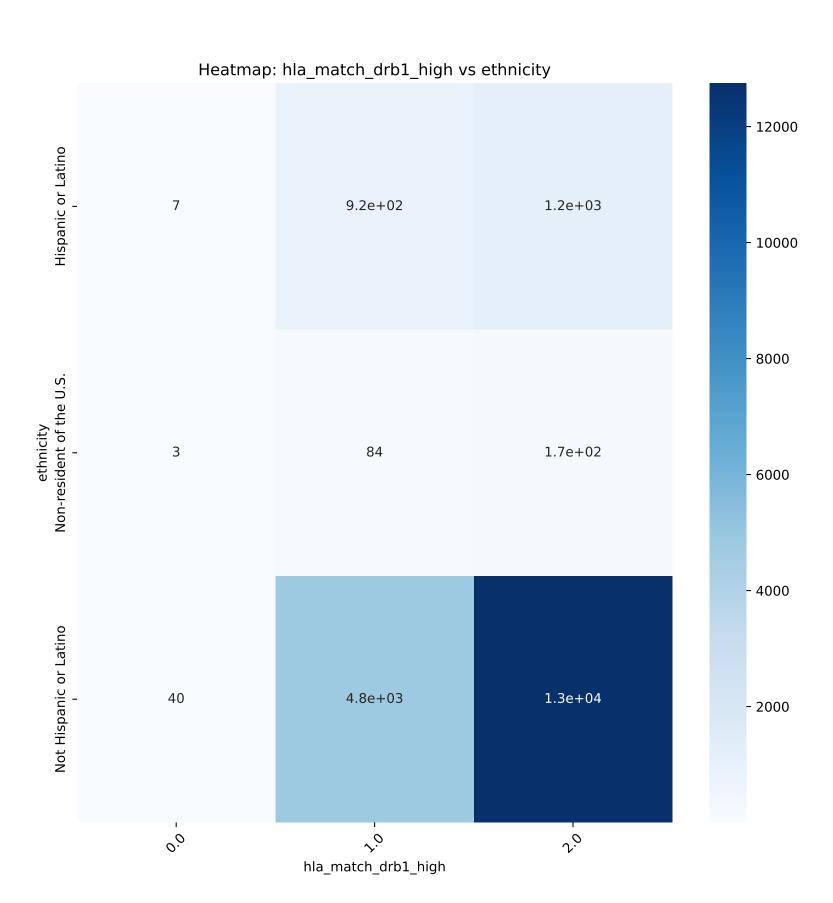


Heatmap: karnofsky\_score vs ethnicity

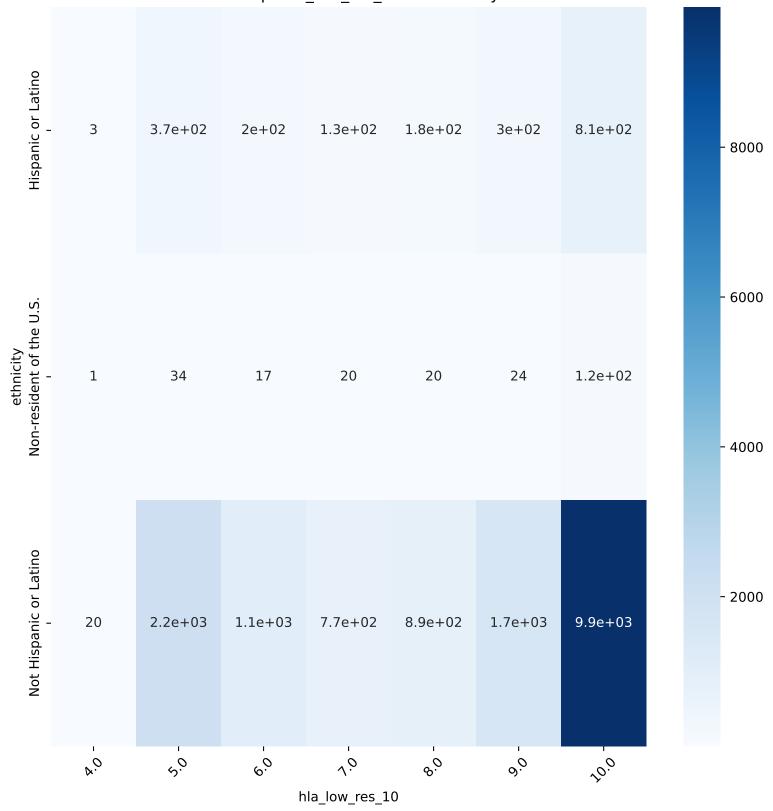


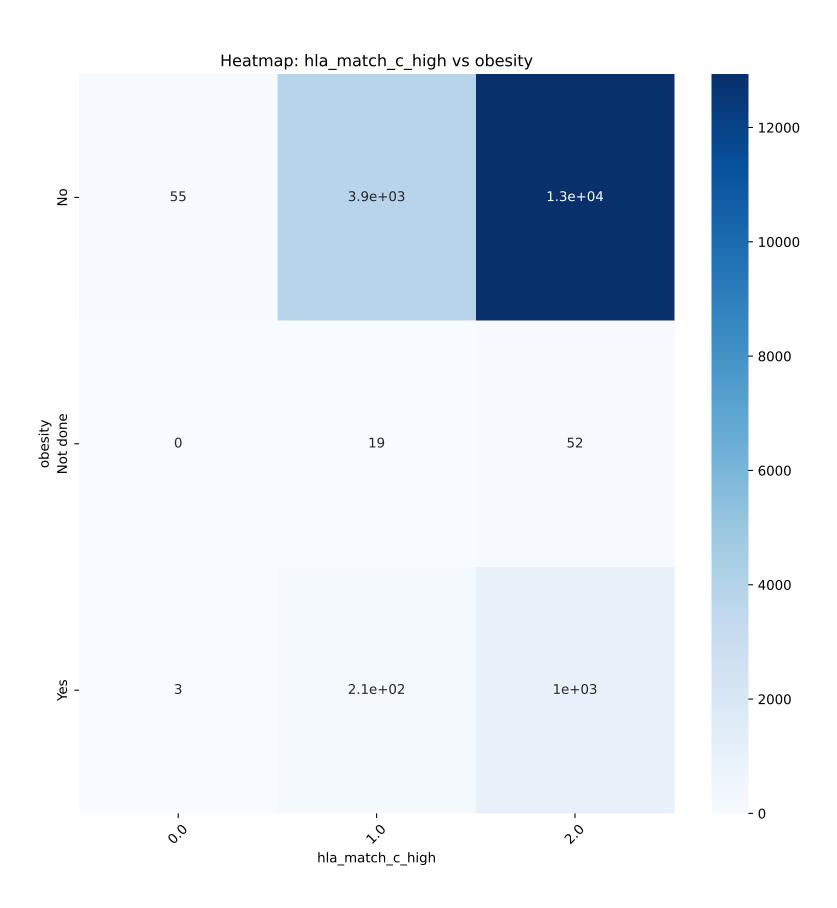
Heatmap: hla\_low\_res\_8 vs ethnicity





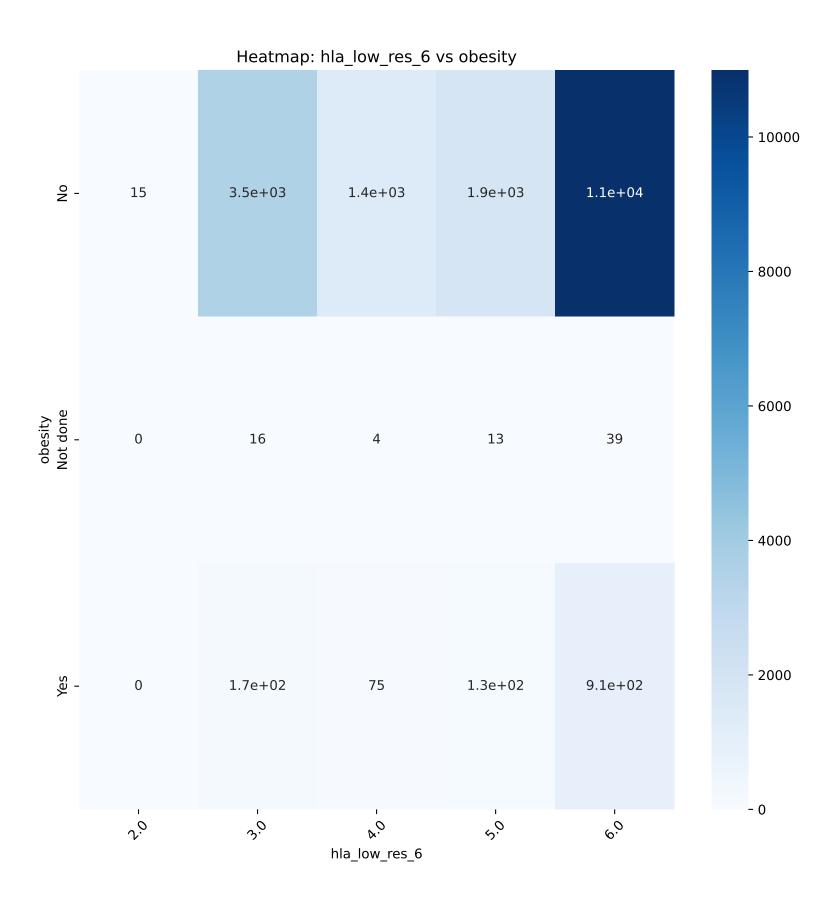
Heatmap: hla\_low\_res\_10 vs ethnicity

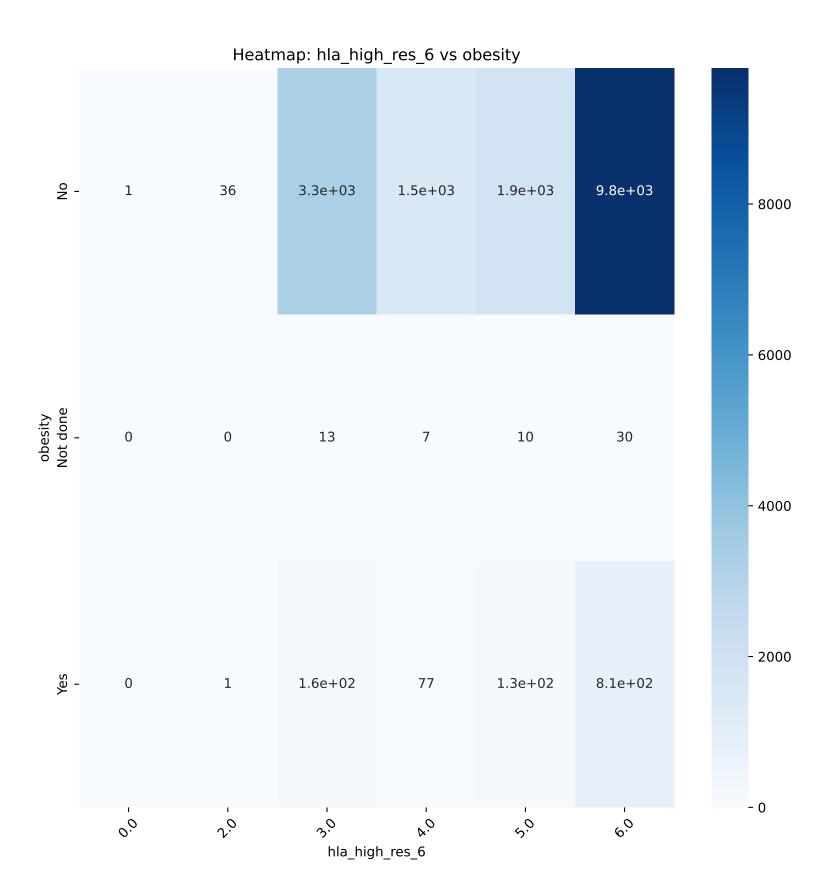




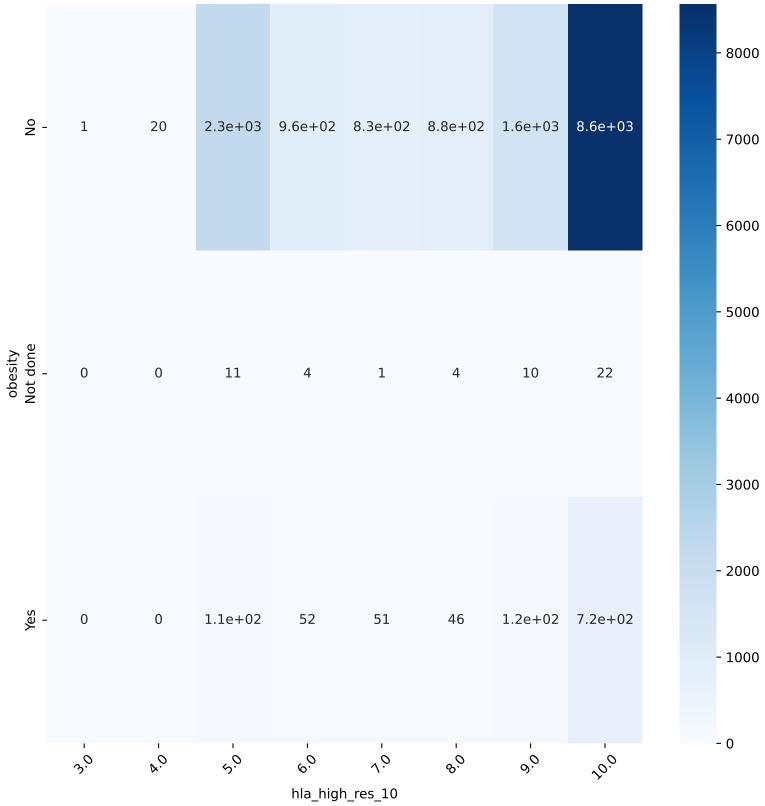
Heatmap: hla\_high\_res\_8 vs obesity 8000 မှ -2 25 2.7e+03 1.2e+03 1e+03 1.6e+03 9.5e+03 6000 obesity Not done 0 0 11 6 2 28 11 - 4000 - 2000 Yes -1.3e+02 70 56 1.1e+02 7.9e+02 - 0 60 10 °.0 □

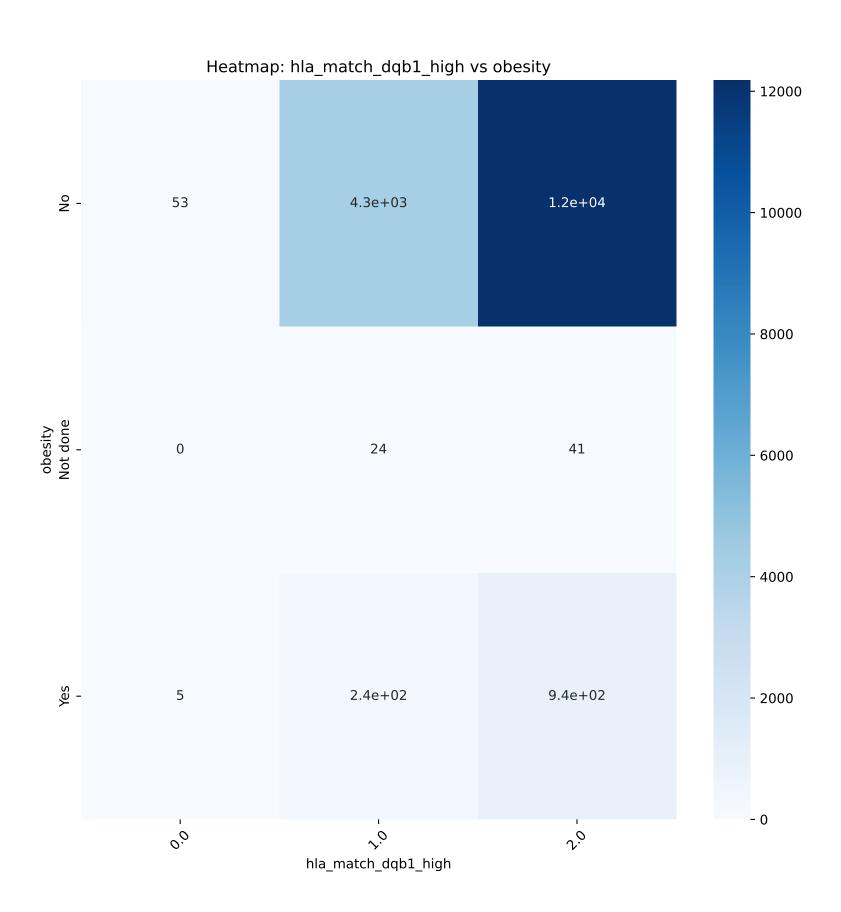
hla\_high\_res\_8

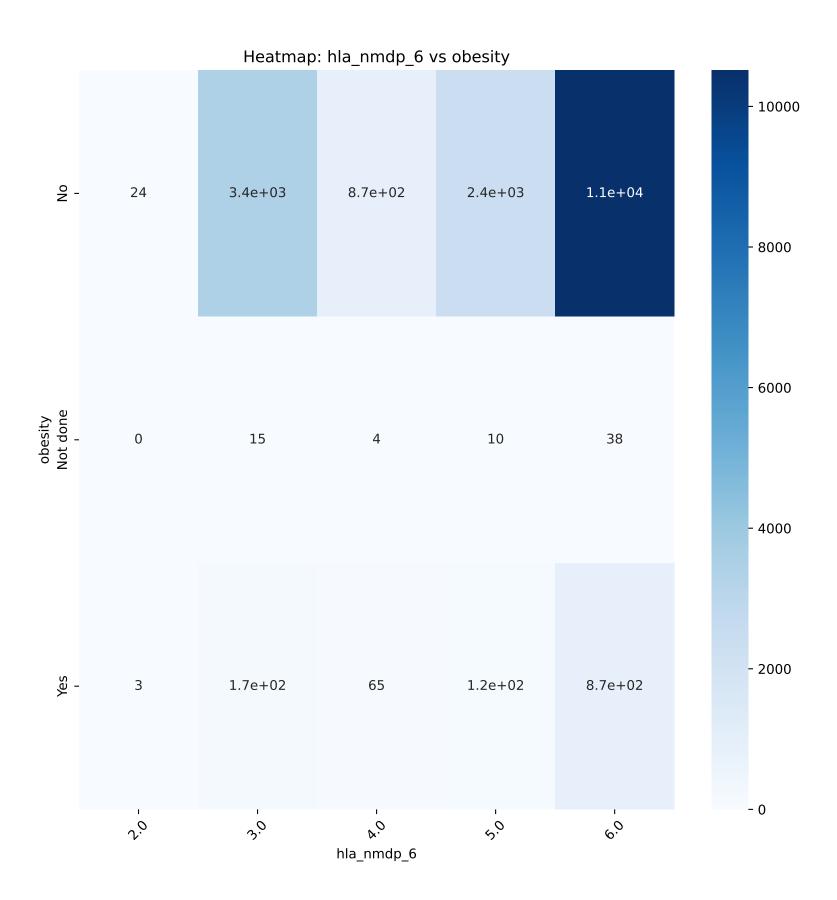


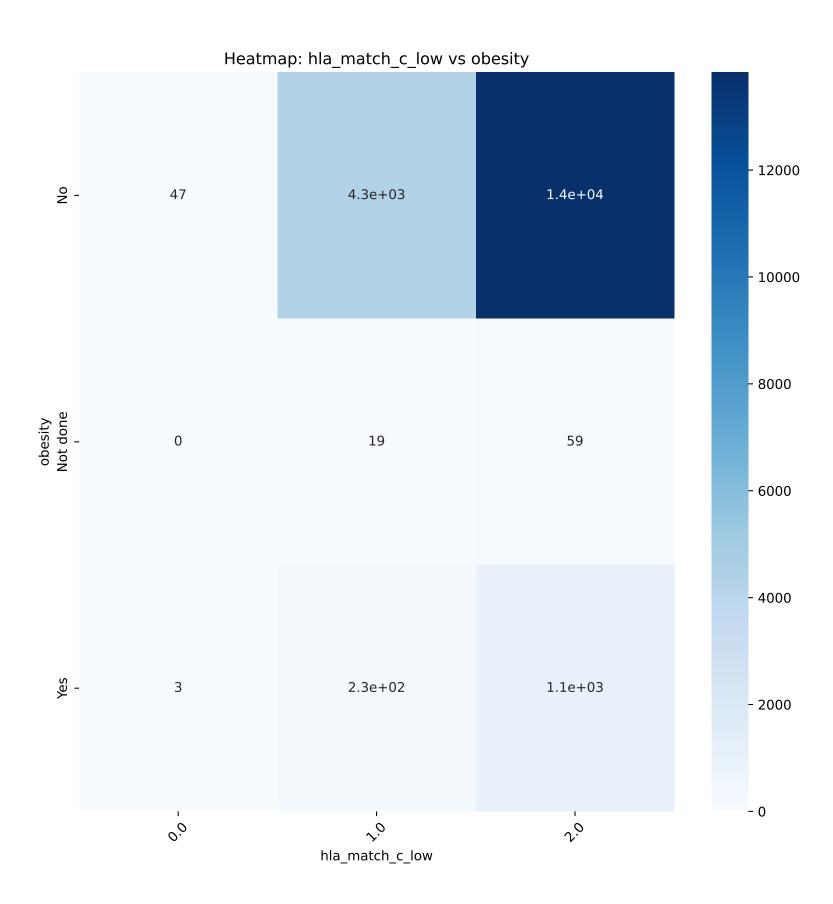


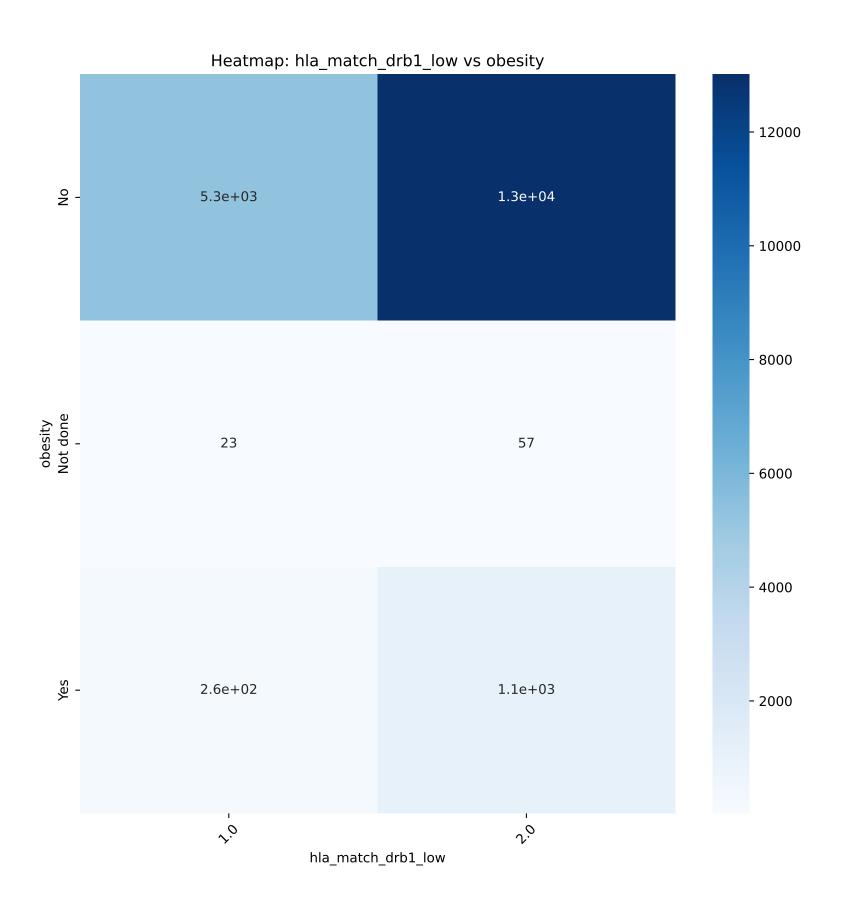
Heatmap: hla\_high\_res\_10 vs obesity

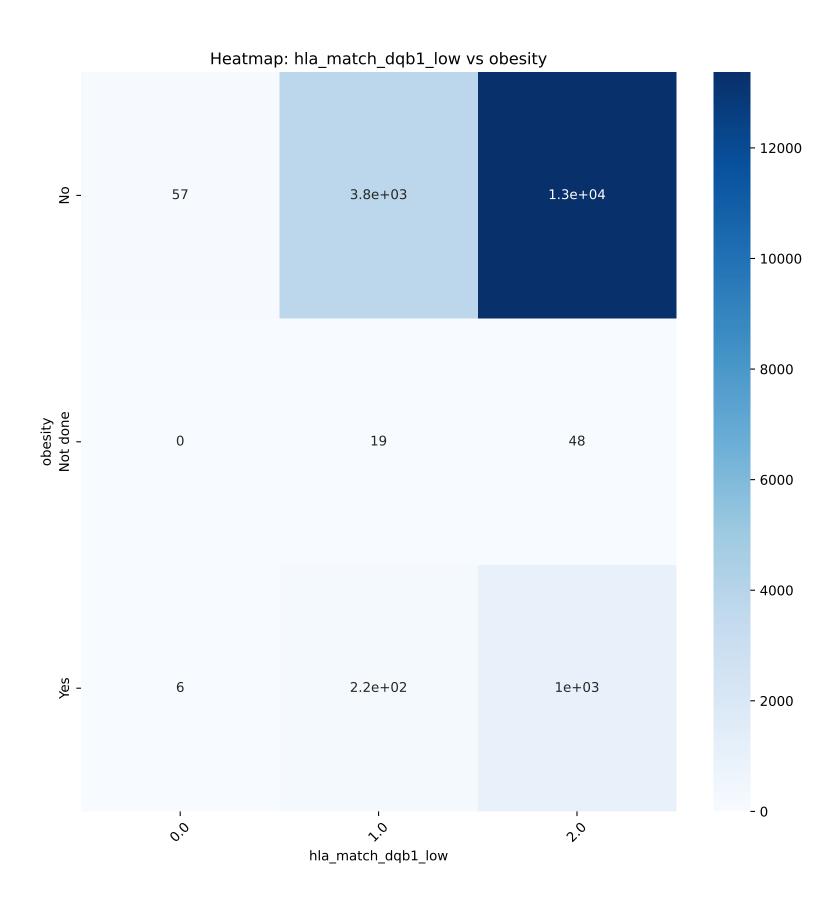




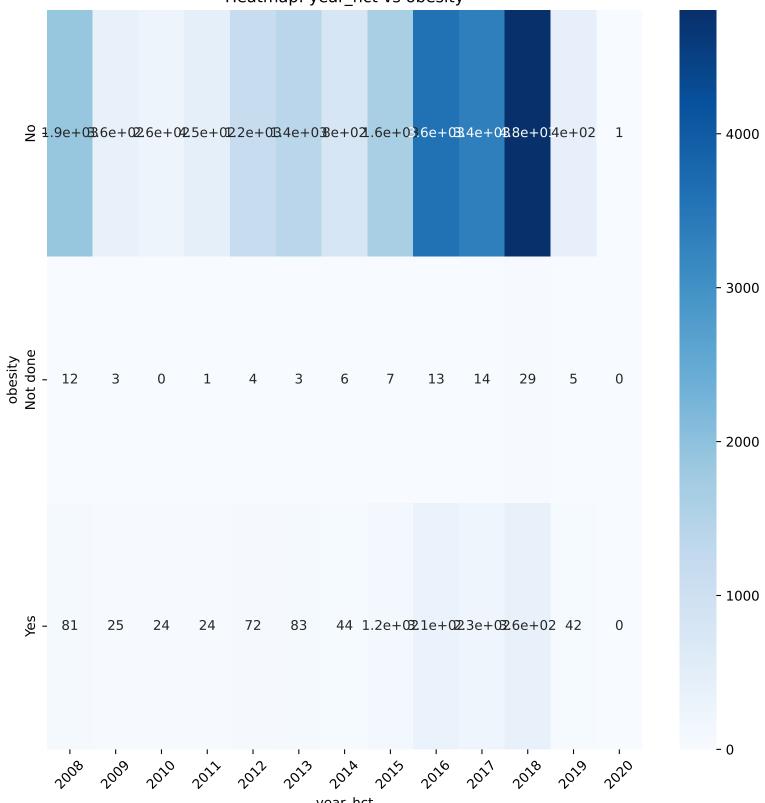


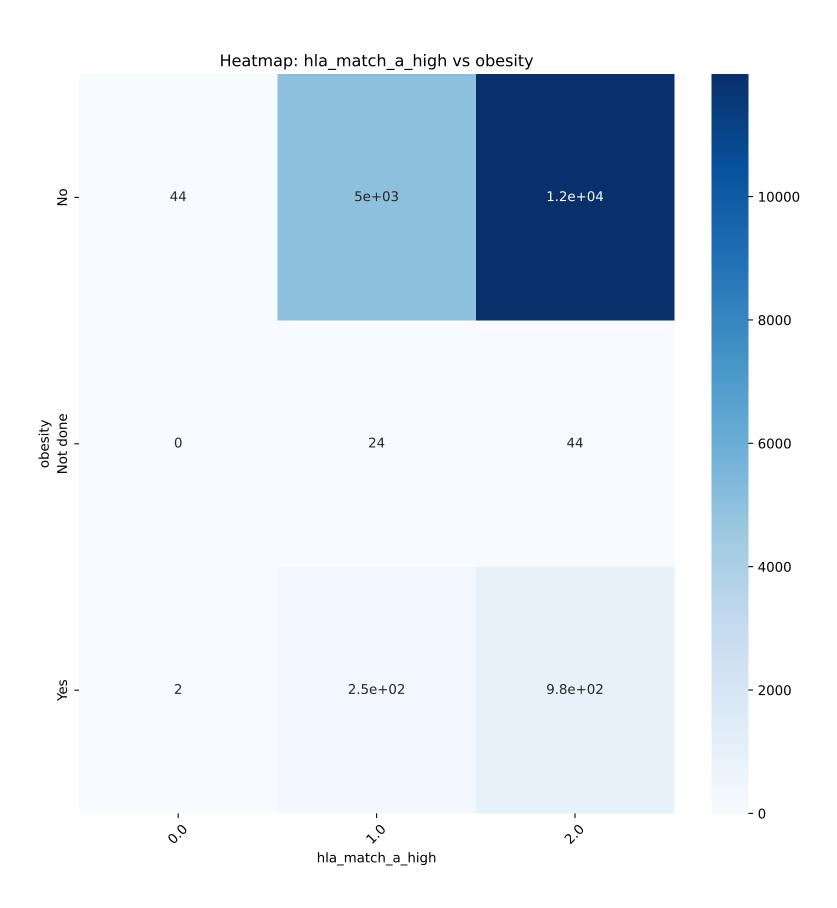




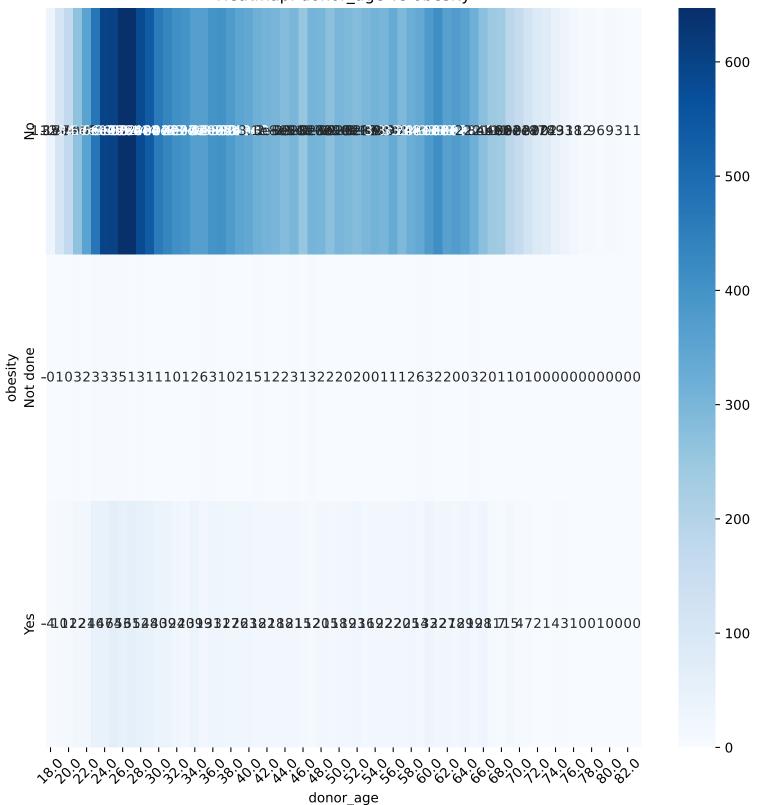


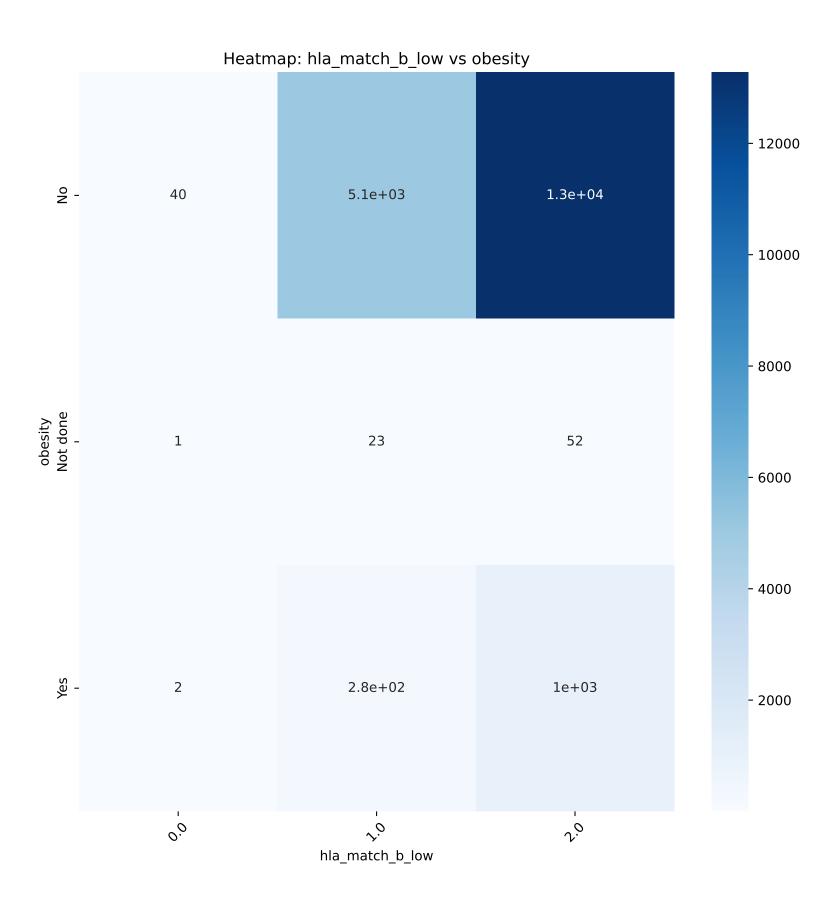




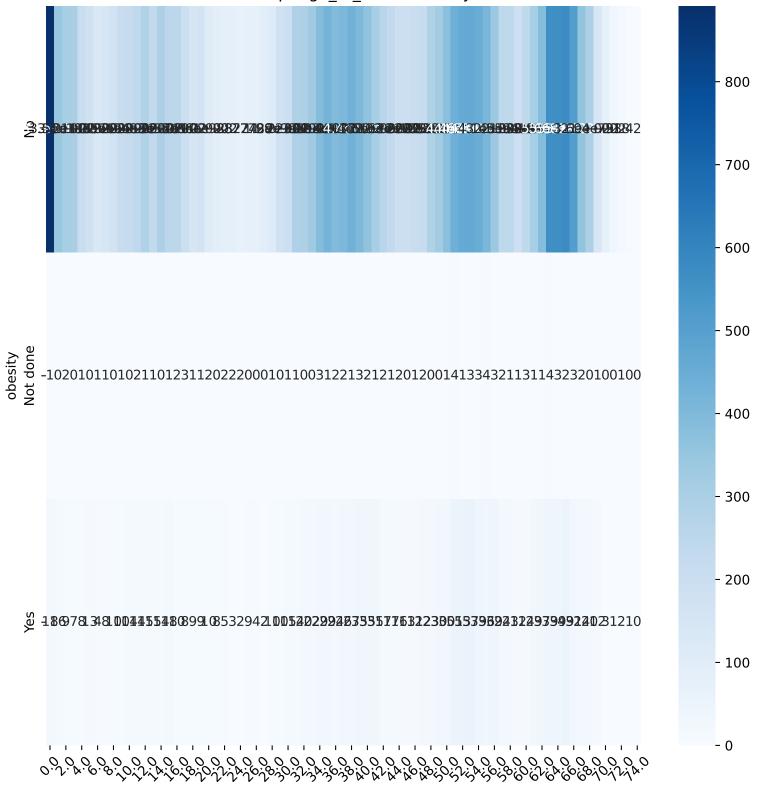


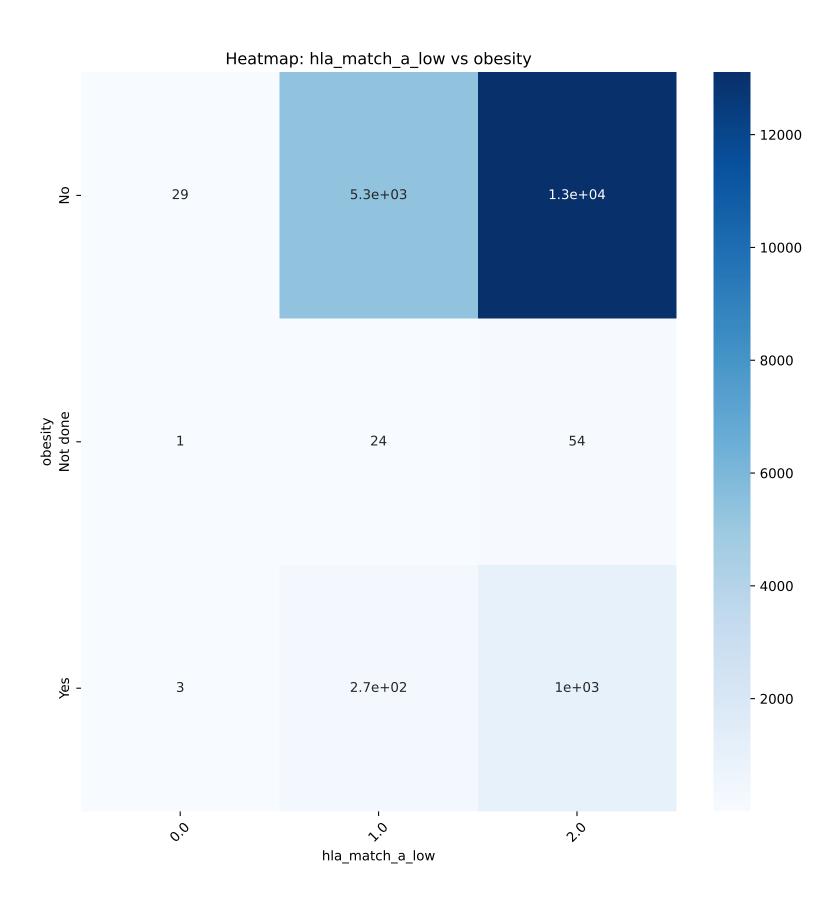
Heatmap: donor\_age vs obesity

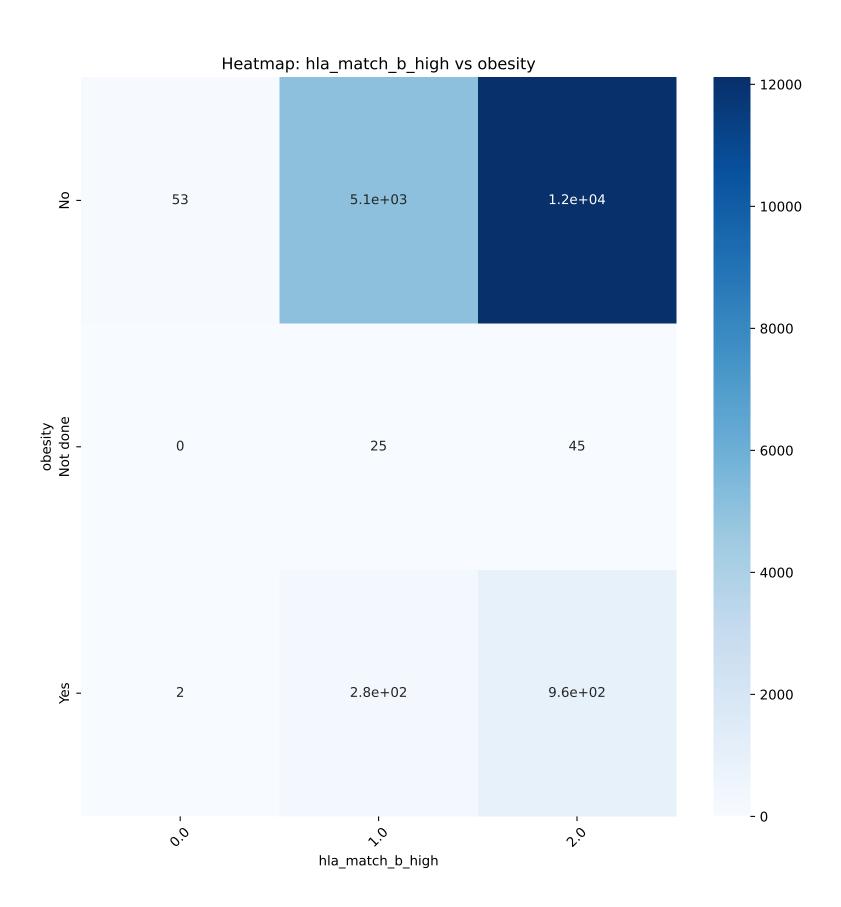




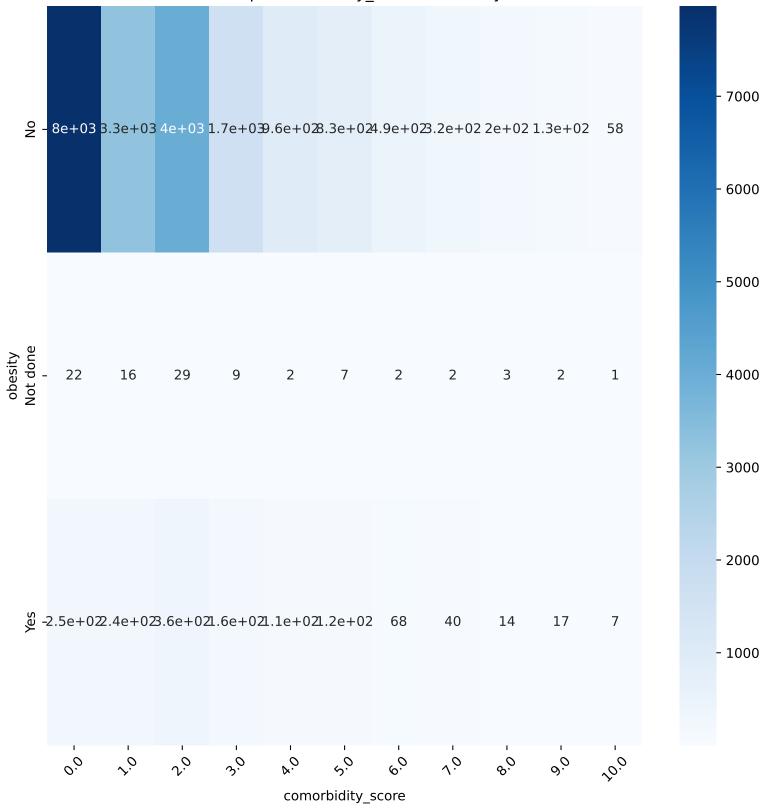
## Heatmap: age\_at\_hct vs obesity

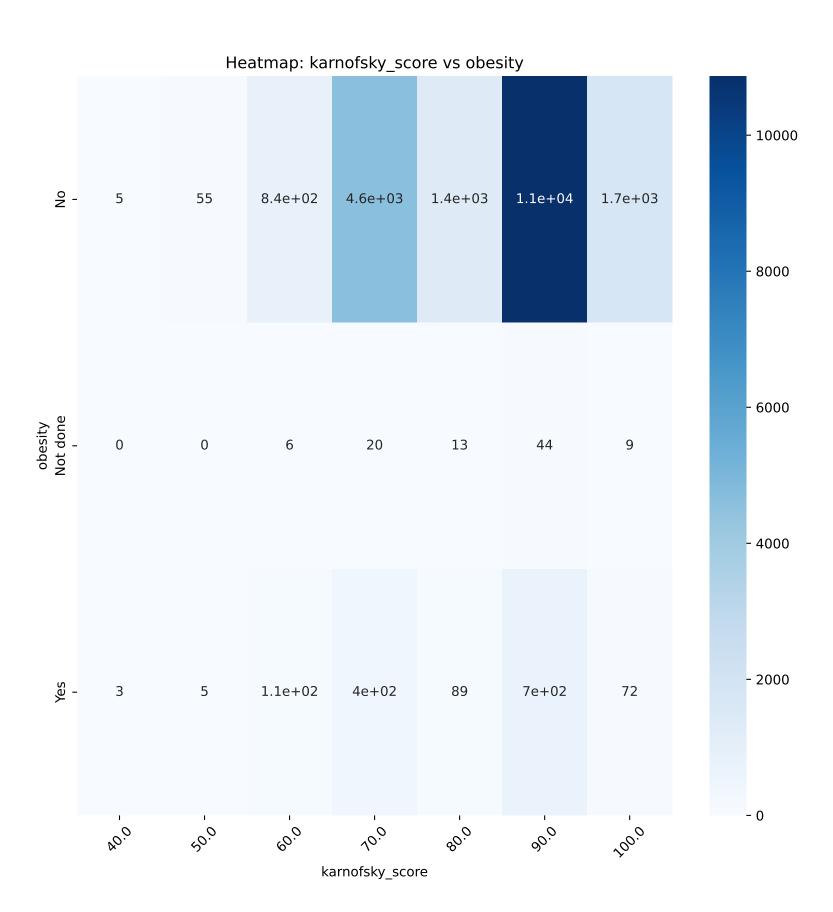






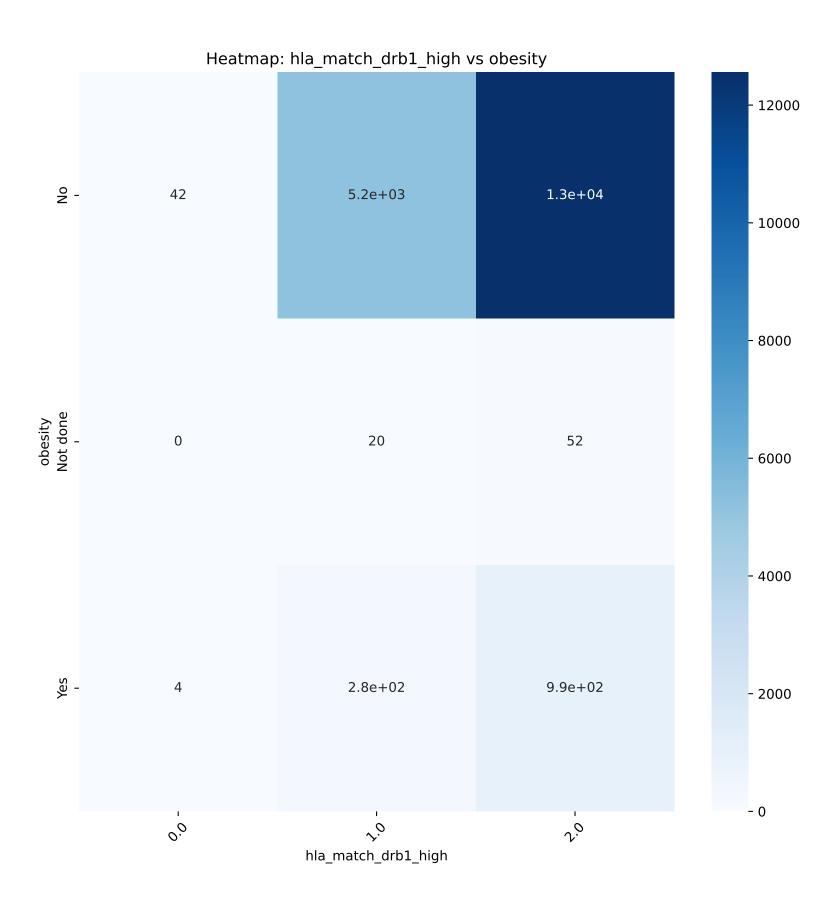




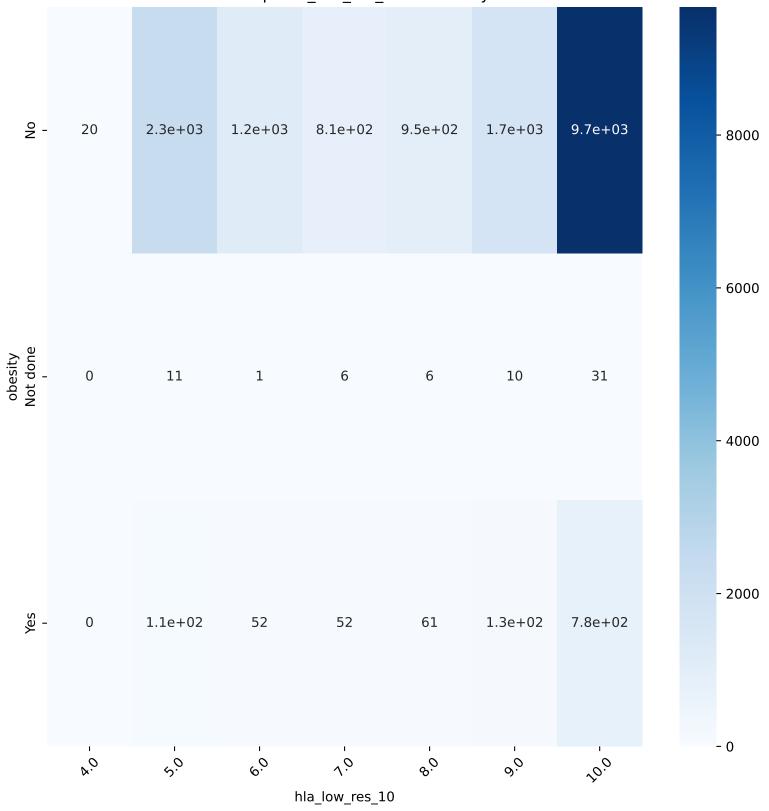


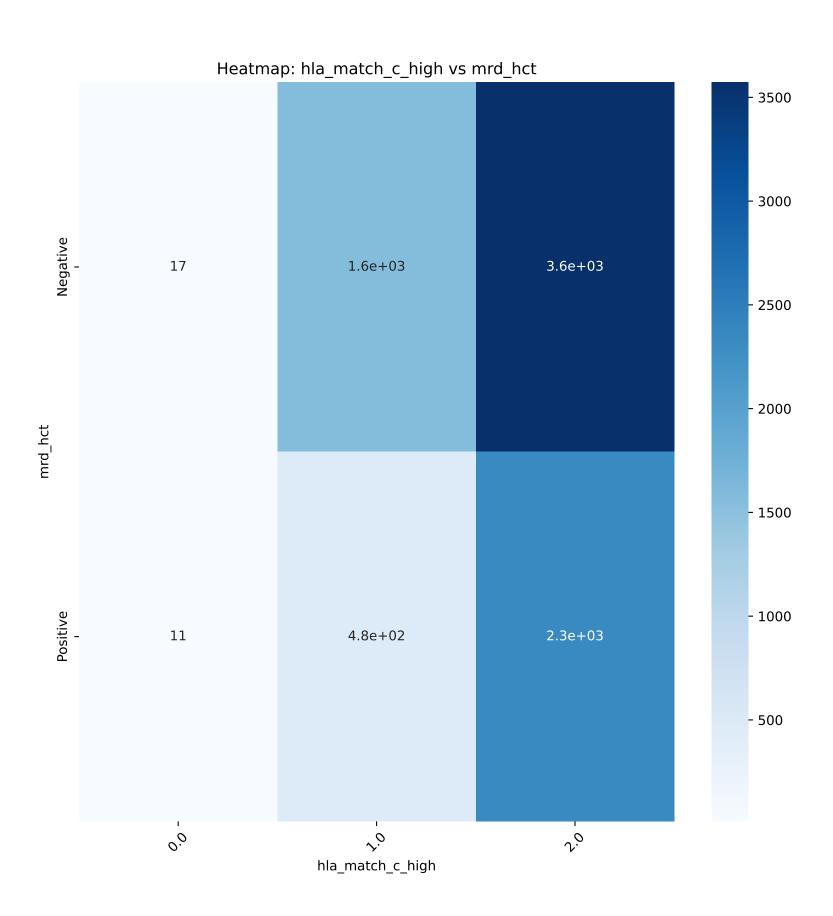
Heatmap: hla\_low\_res\_8 vs obesity - 10000 ₽ -1 15 3e+03 1.1e+03 1e+03 1.8e+03 1.1e+04 - 8000 6000 obesity Not done 0 0 13 5 12 38 - 4000 - 2000 Yes -1.4e+02 63 61 1.2e+02 8.7e+02 - 0 °.0 10 ø. 0

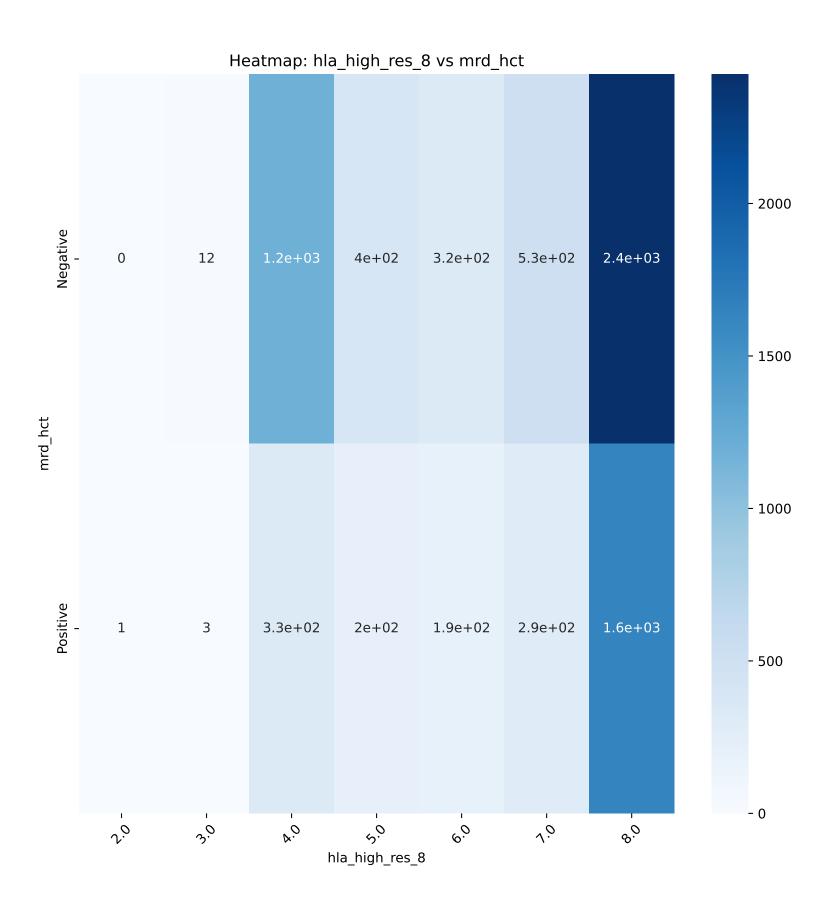
hla\_low\_res\_8

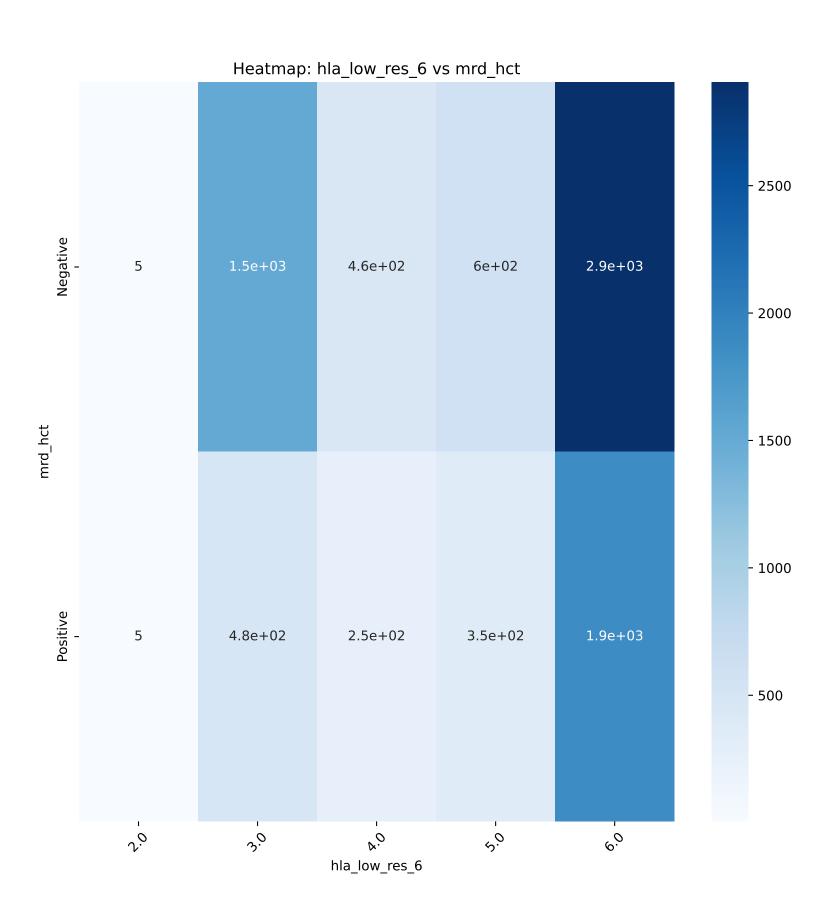


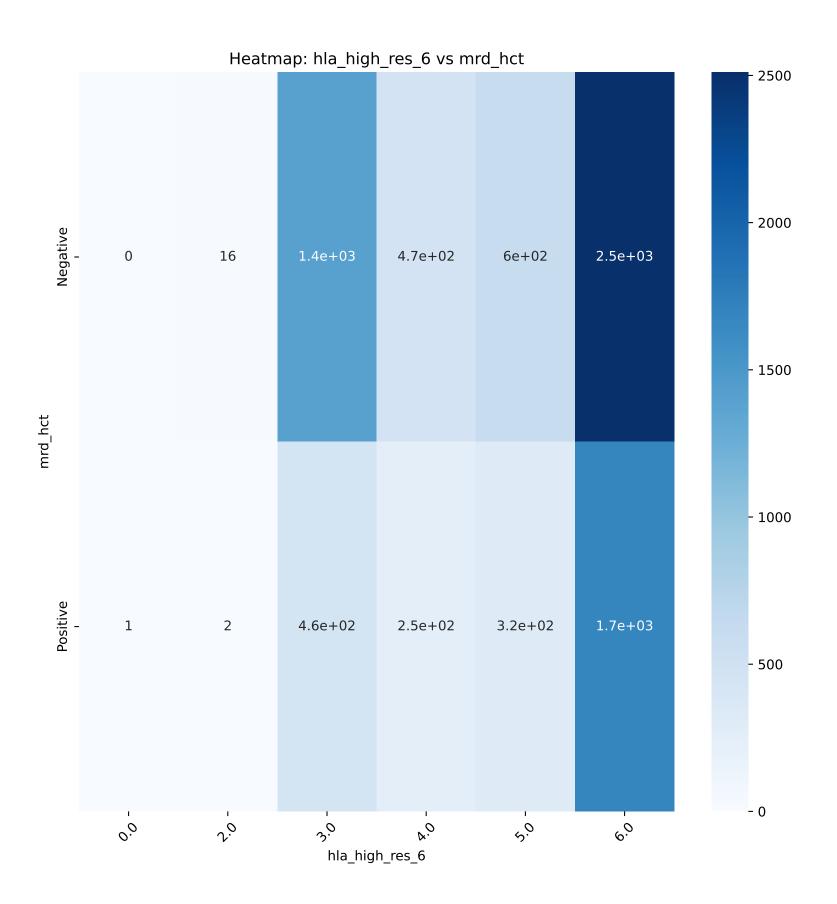
Heatmap: hla\_low\_res\_10 vs obesity

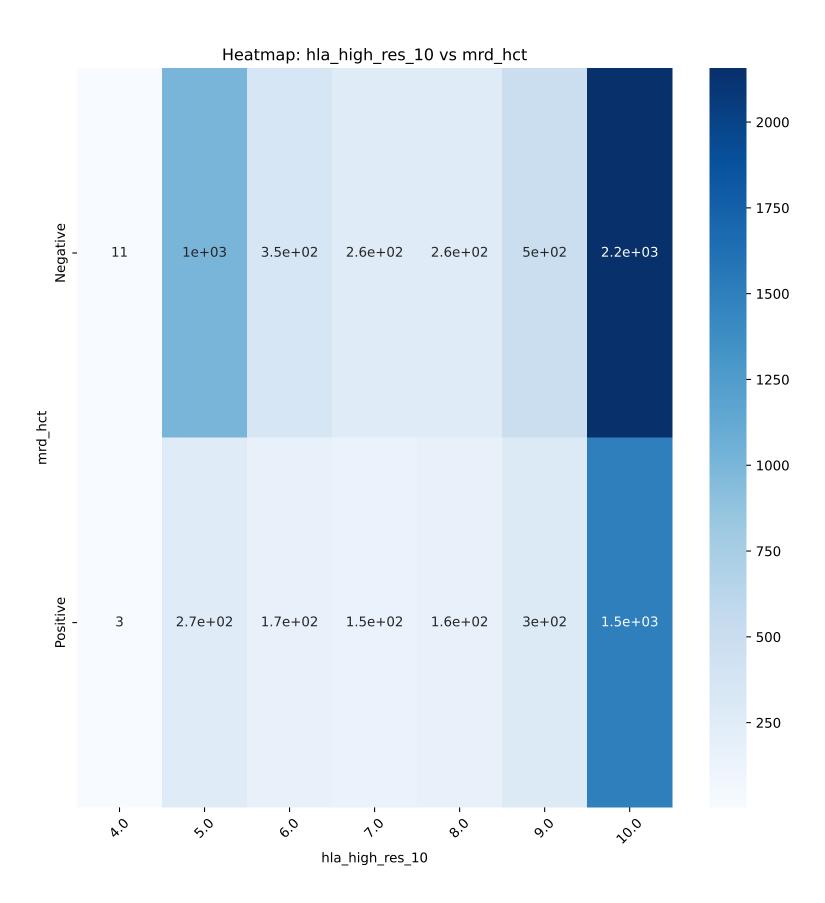


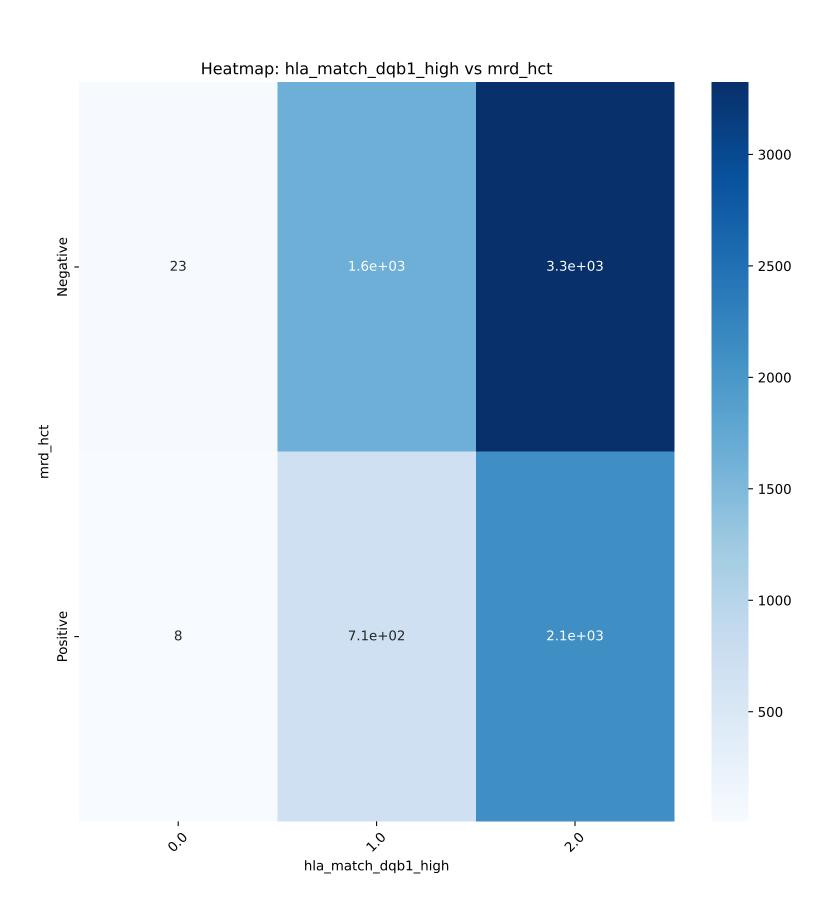


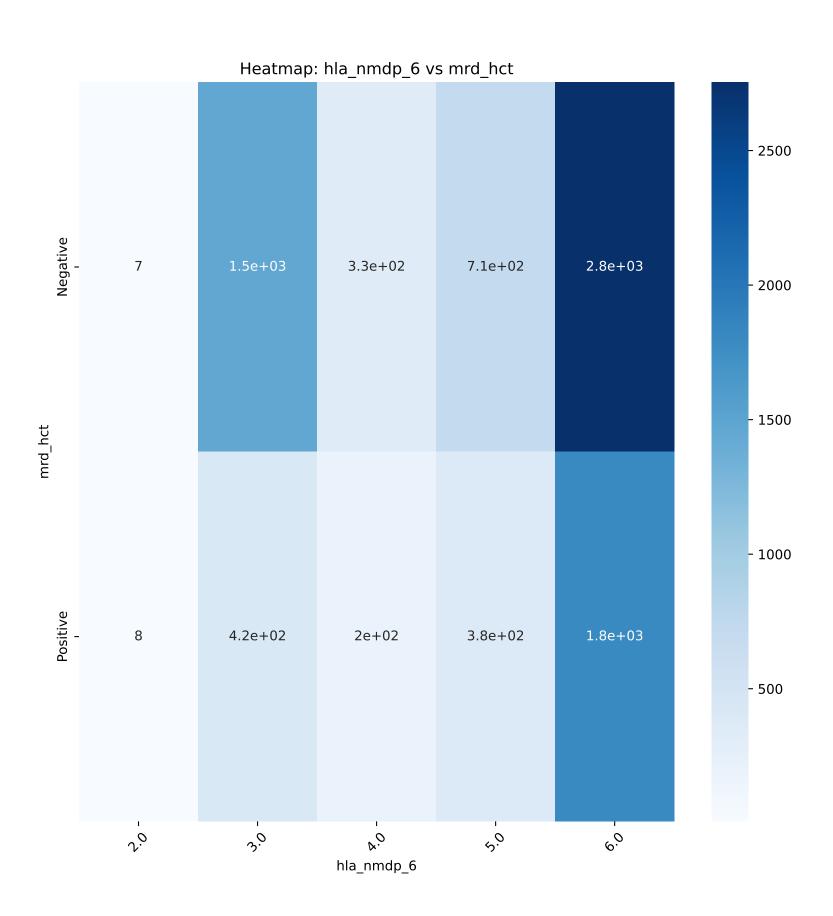


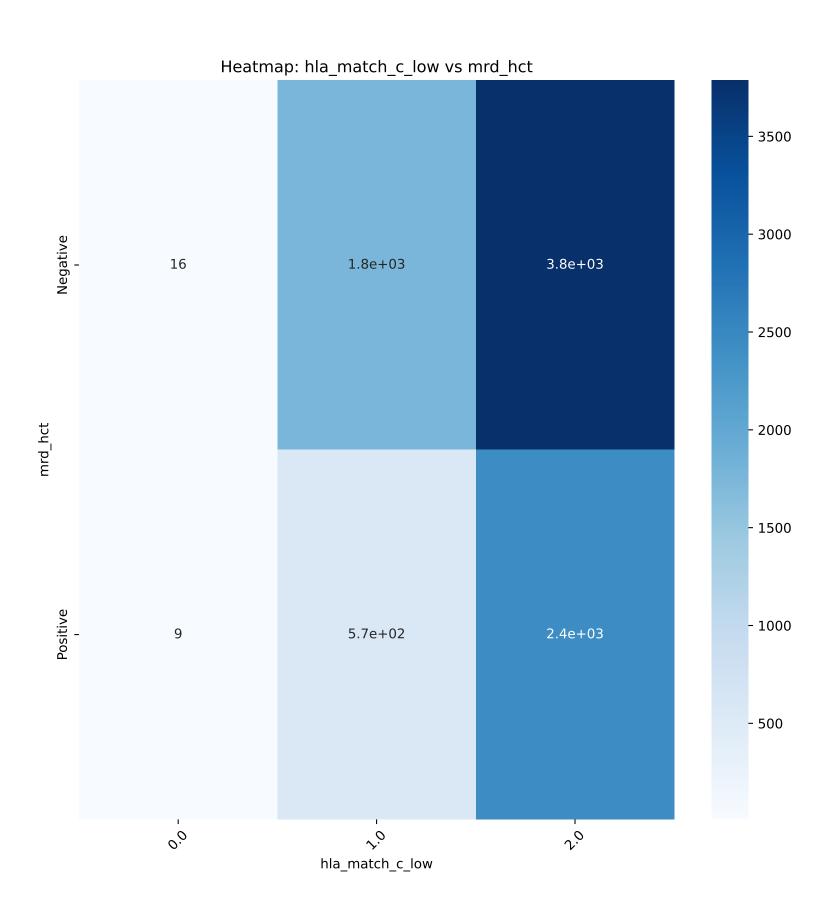


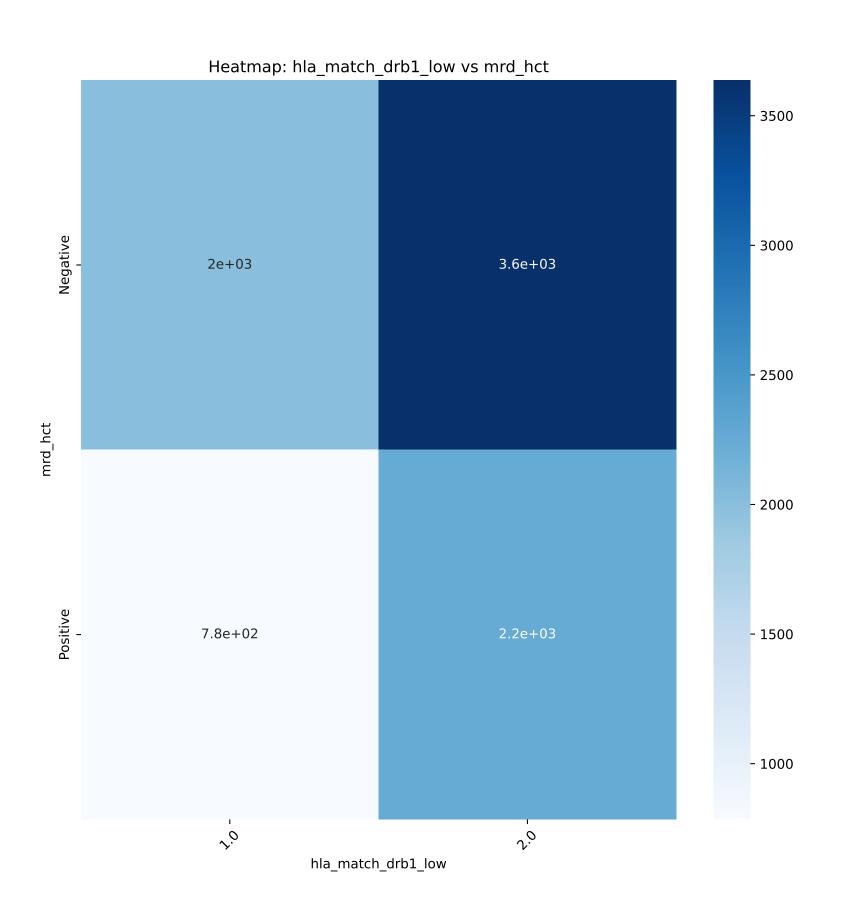


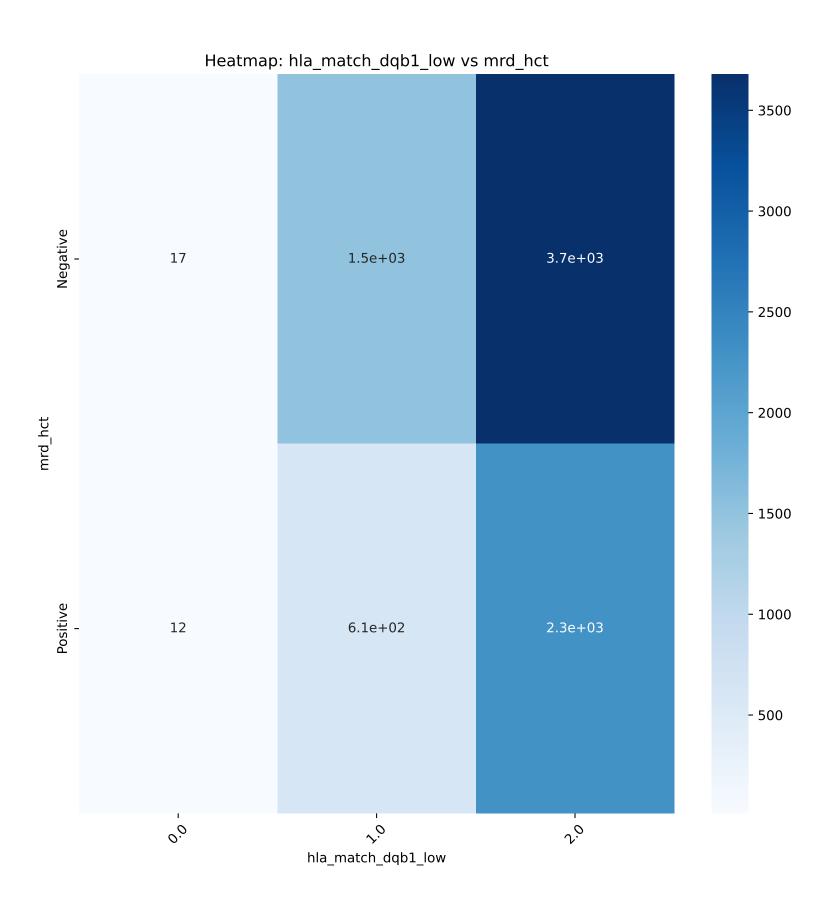


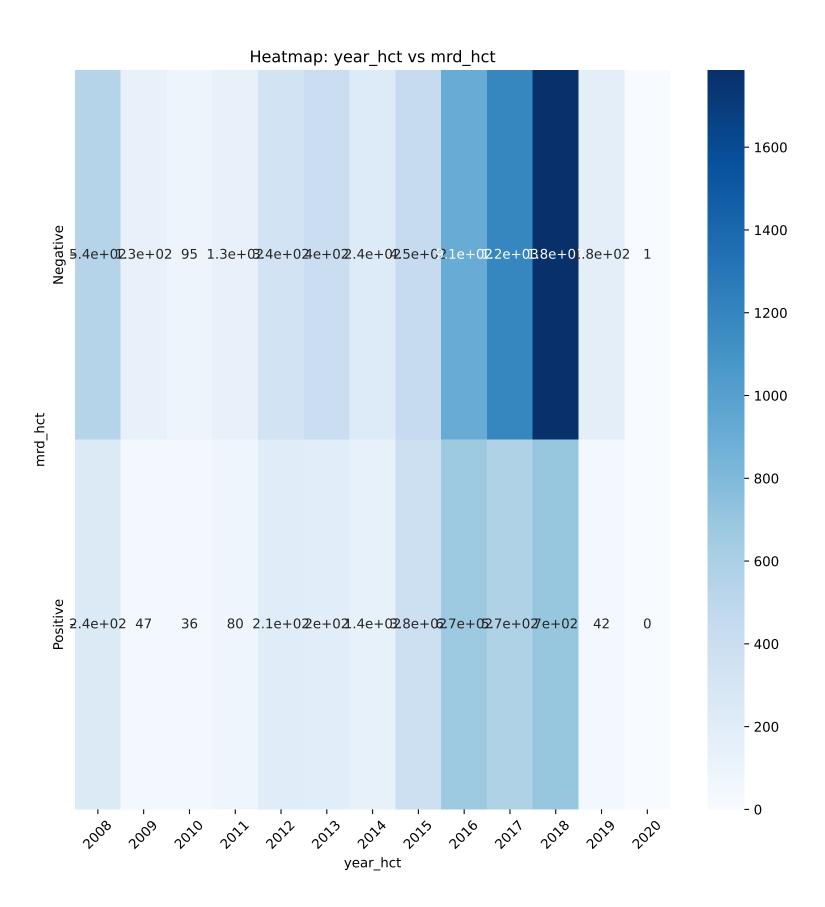


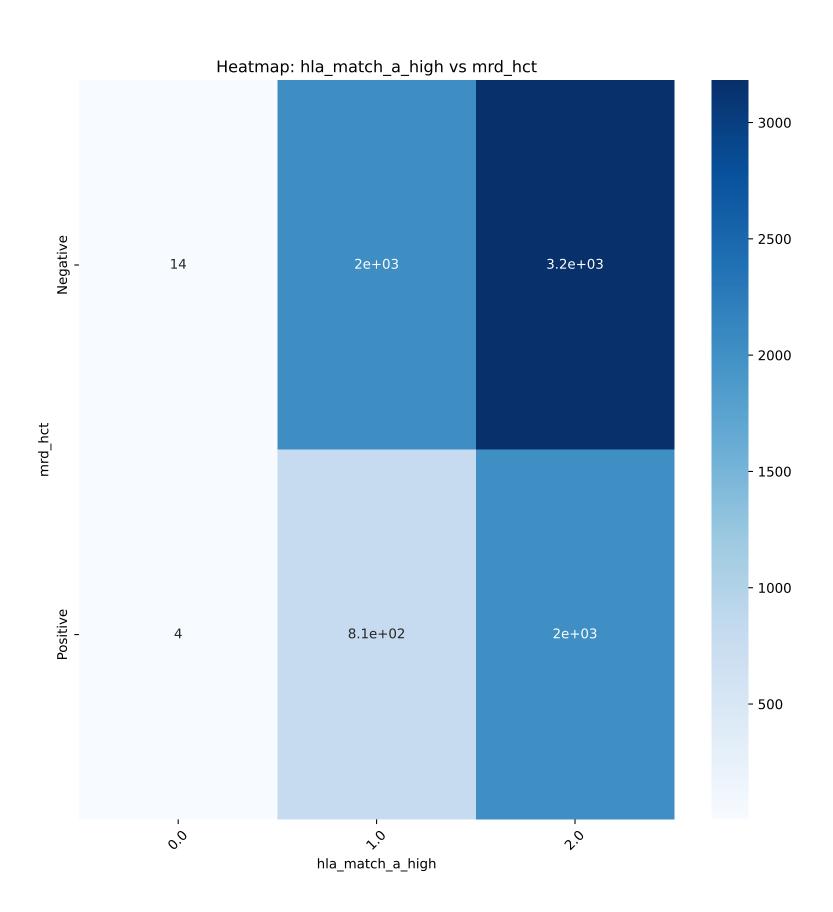


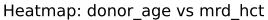


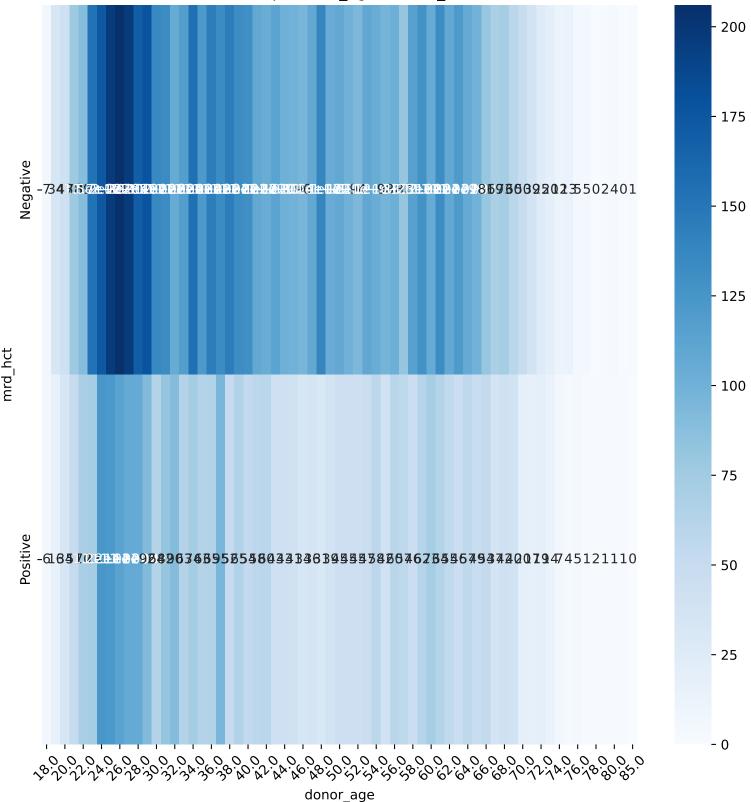


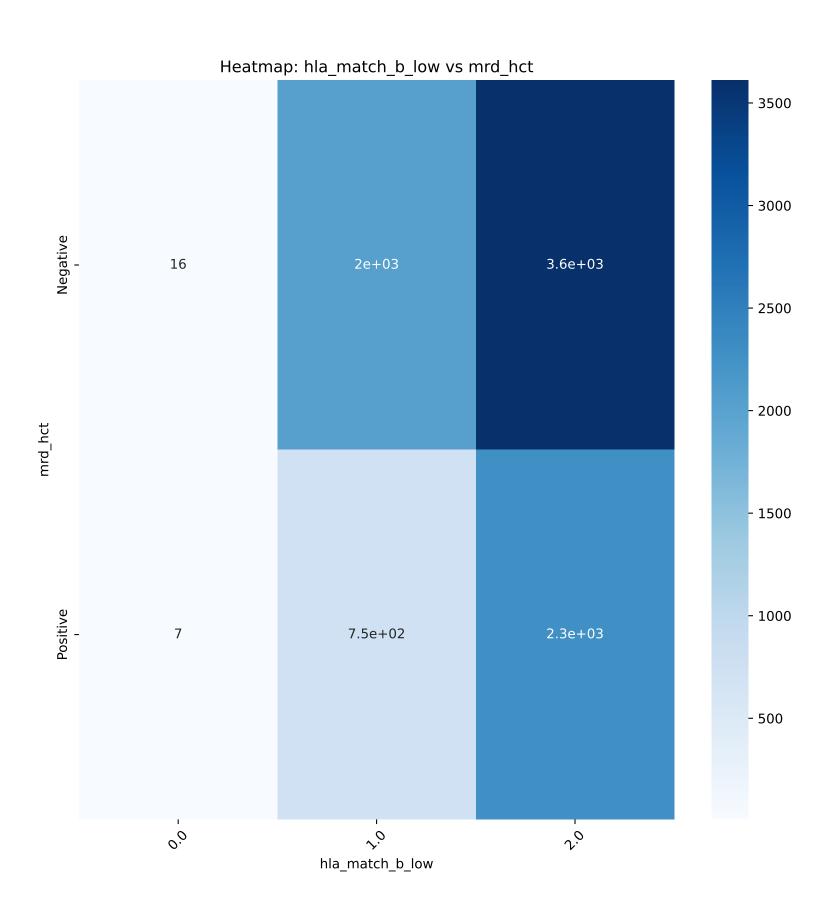


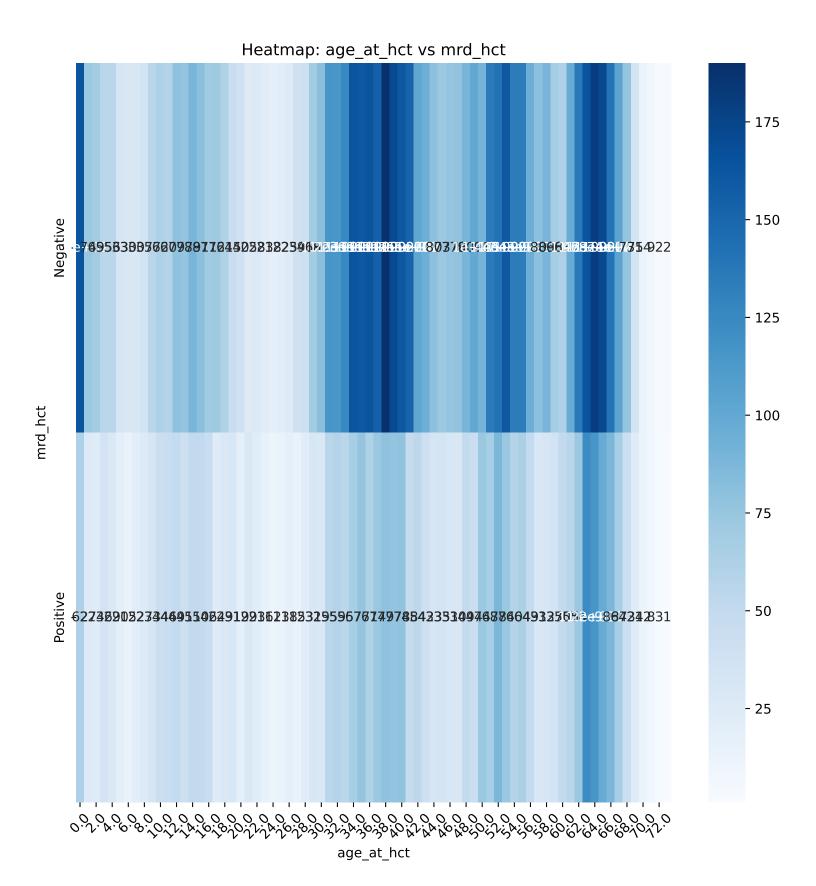


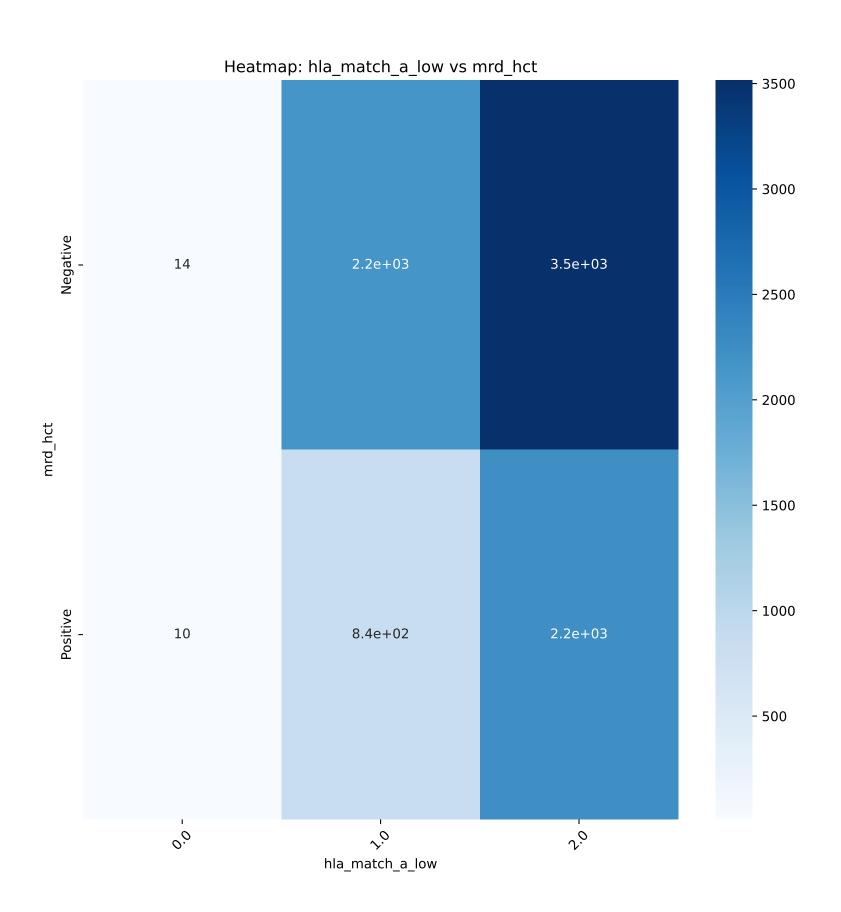


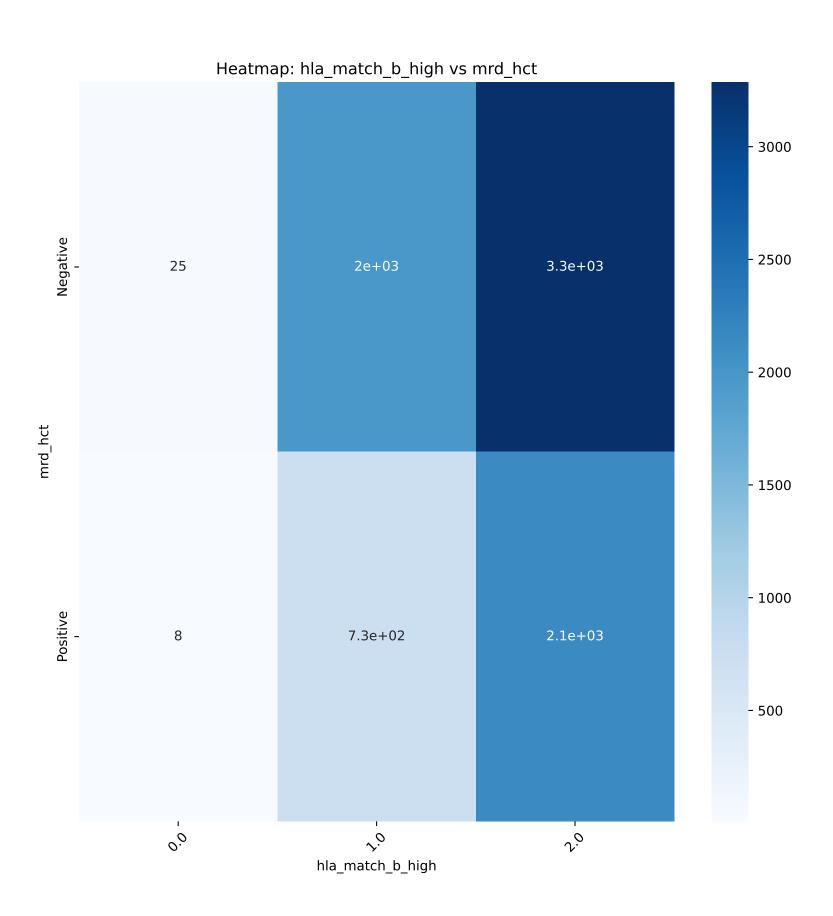


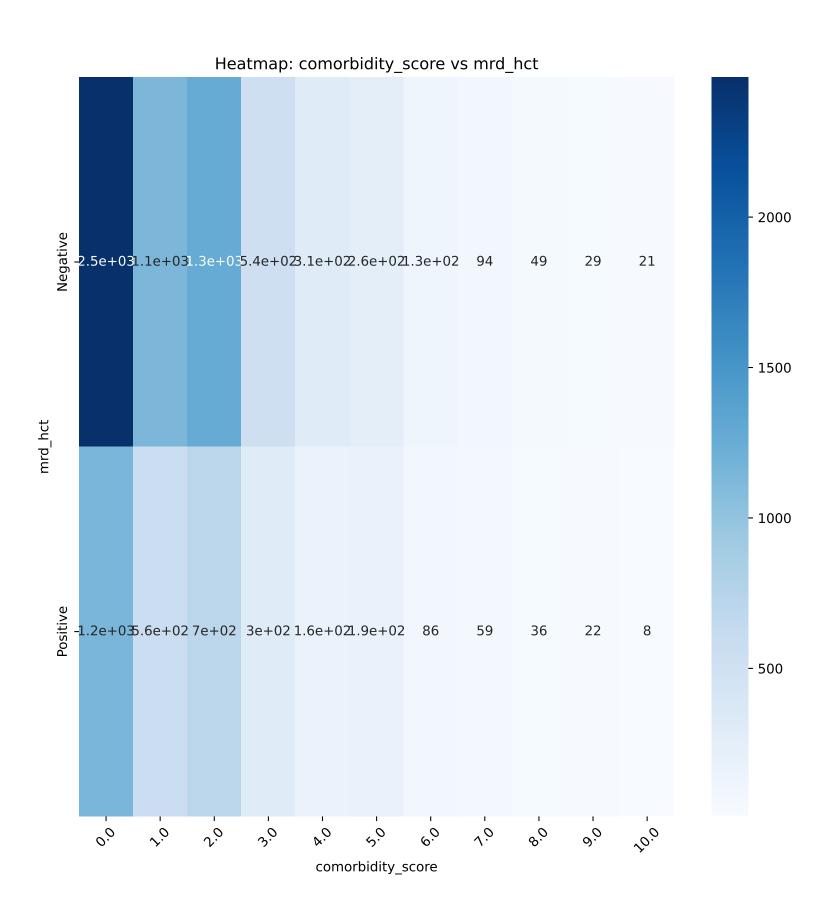


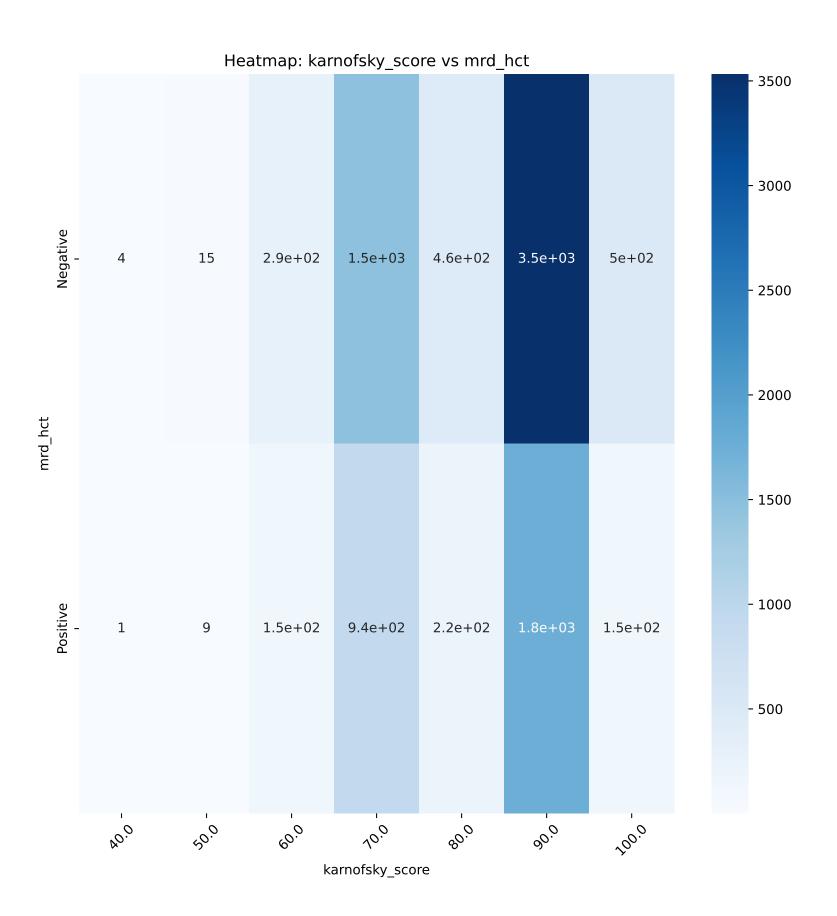


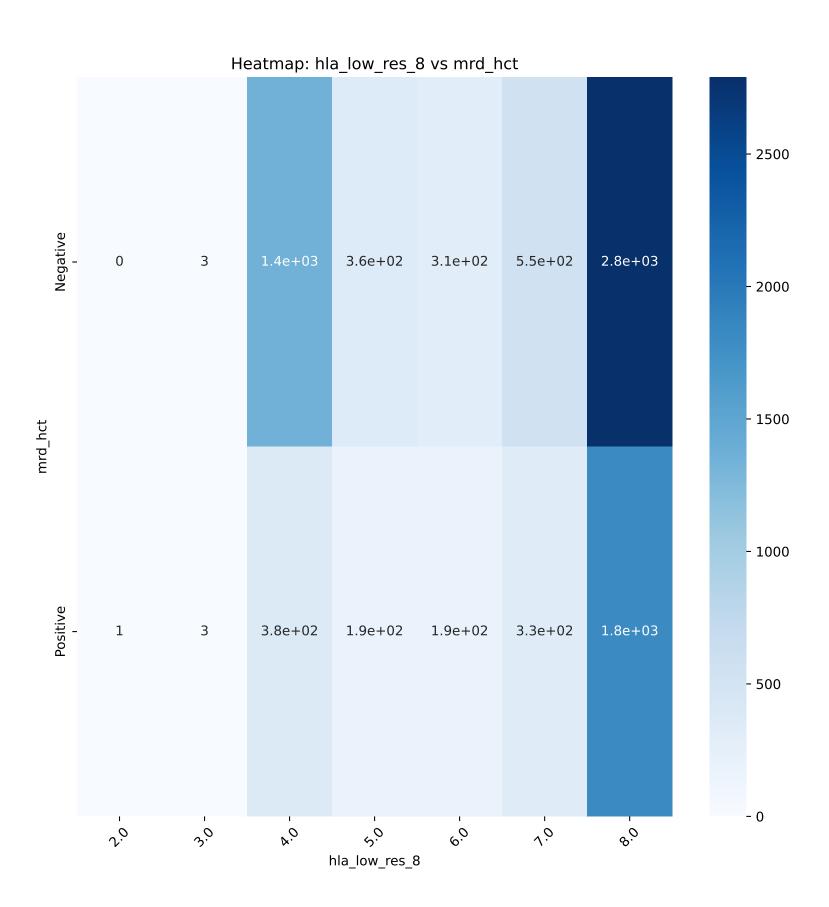


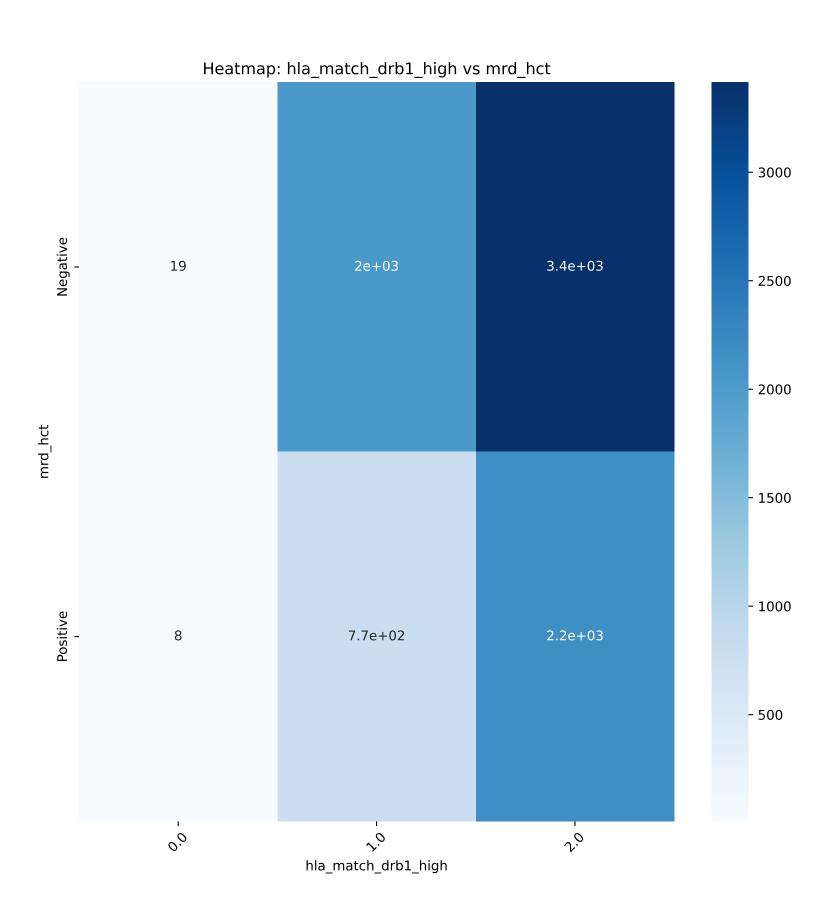






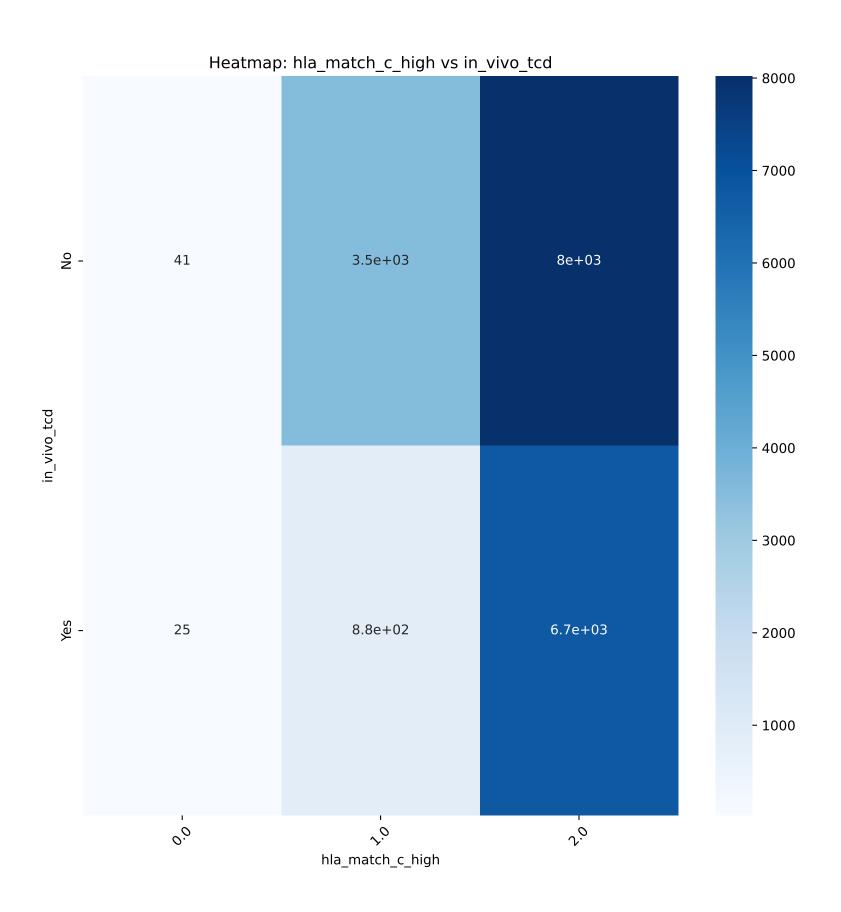


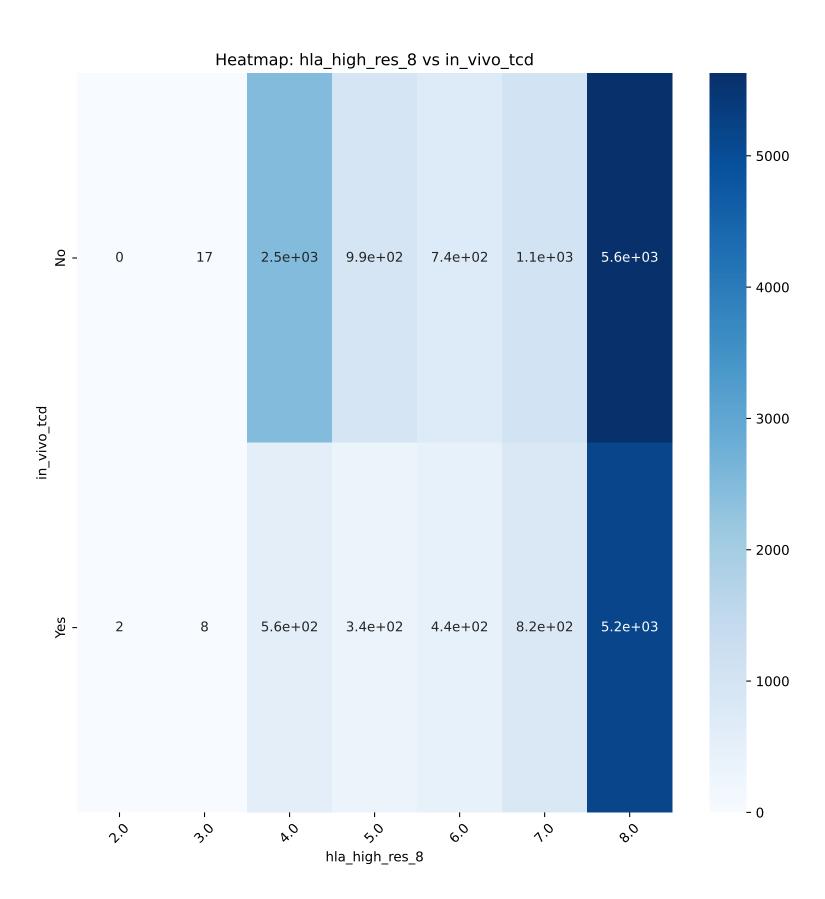


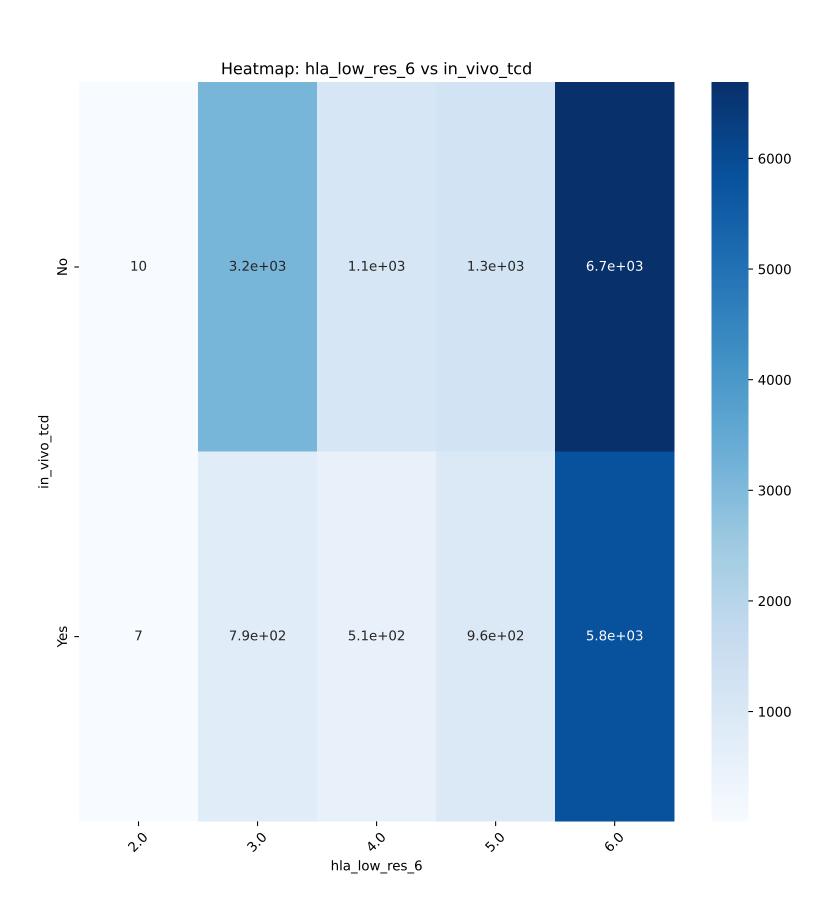


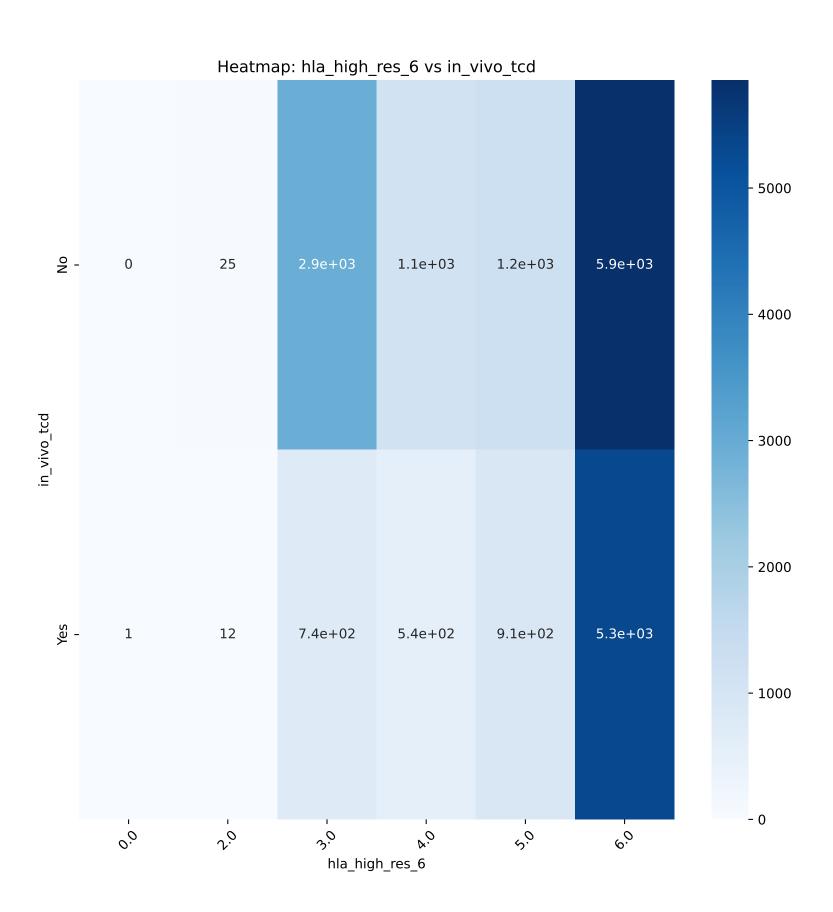
Heatmap: hla\_low\_res\_10 vs mrd\_hct - 2000 Negative ' 5 2.5e+03 1.1e+03 4.1e+02 2.6e+02 2.7e+02 5.4e+02 - 1500 mrd\_hct - 1000 Positive ' 3 2.9e+02 1.8e+02 1.8e+02 1.7e+03 1.4e+02 3.3e+02 - 500 \$. 0 60 70 °,0 90

hla\_low\_res\_10

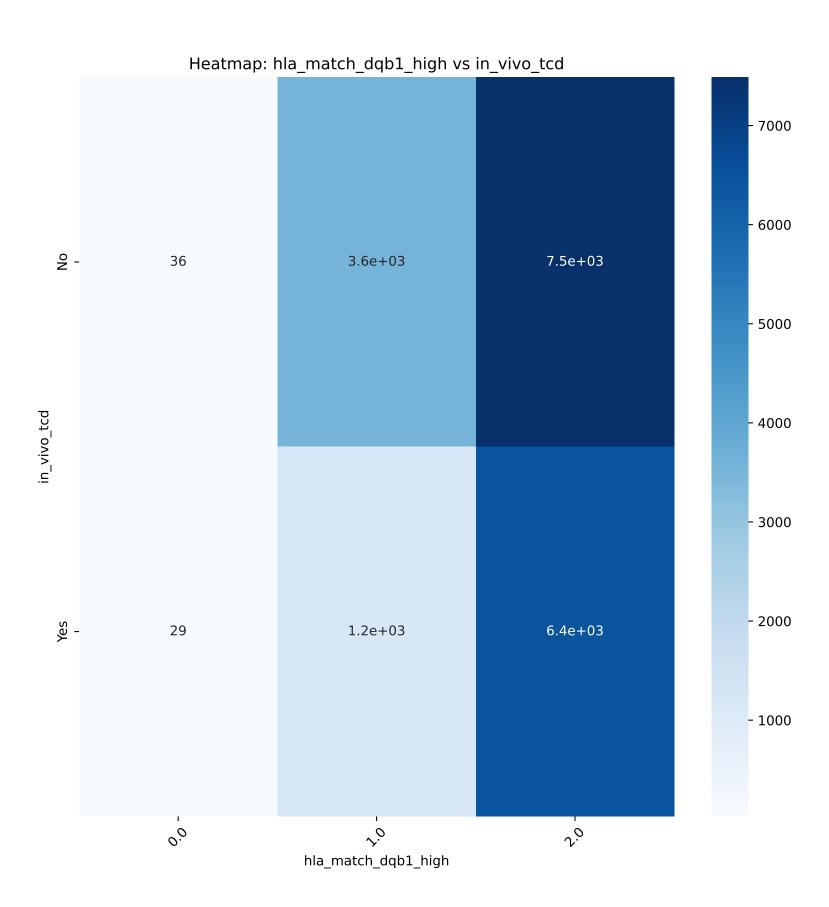


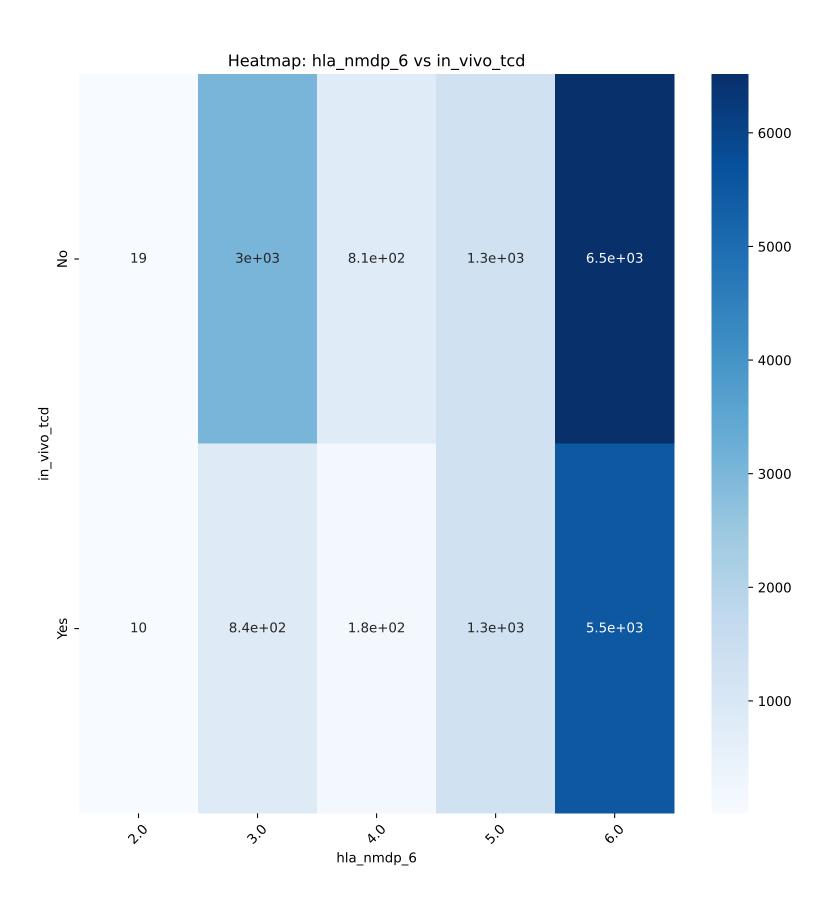


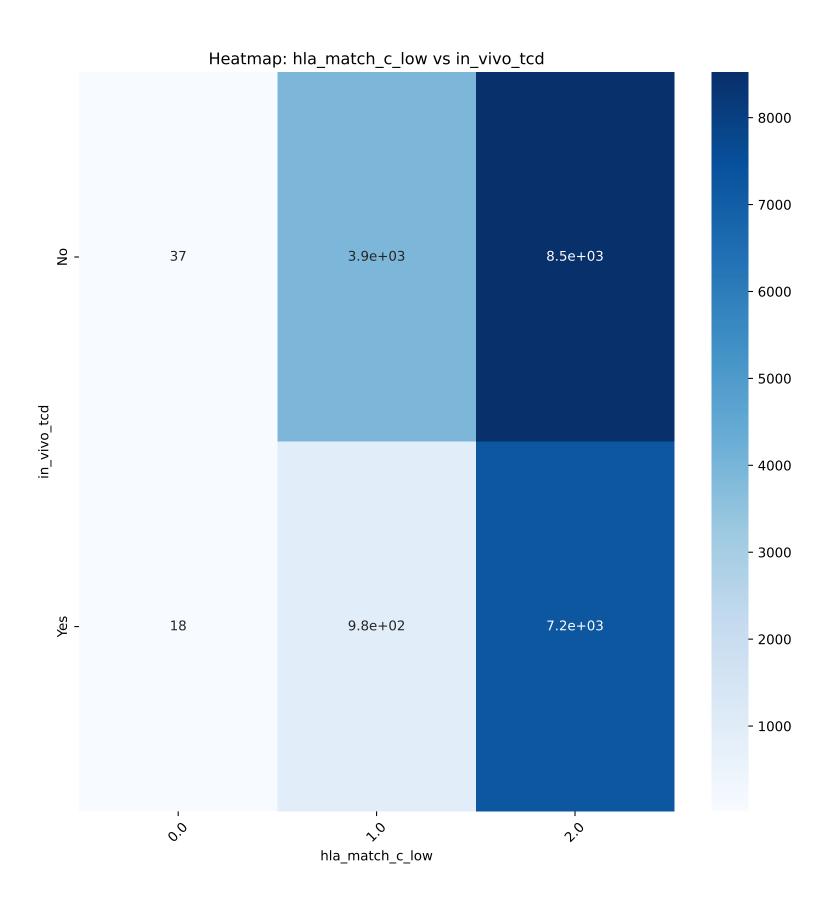


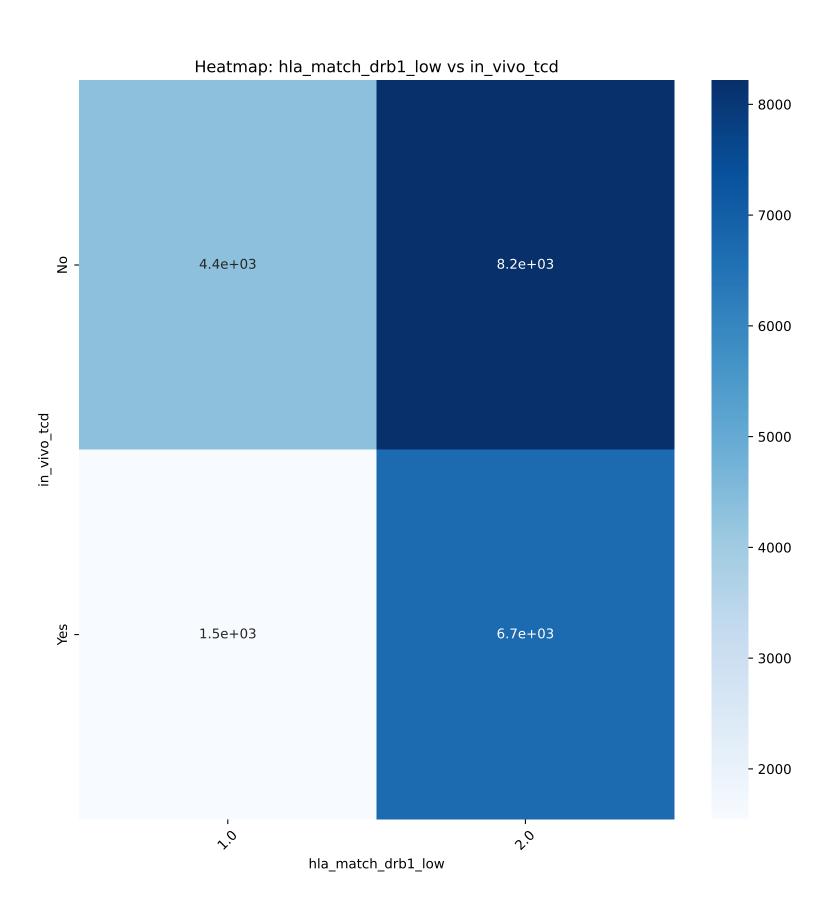


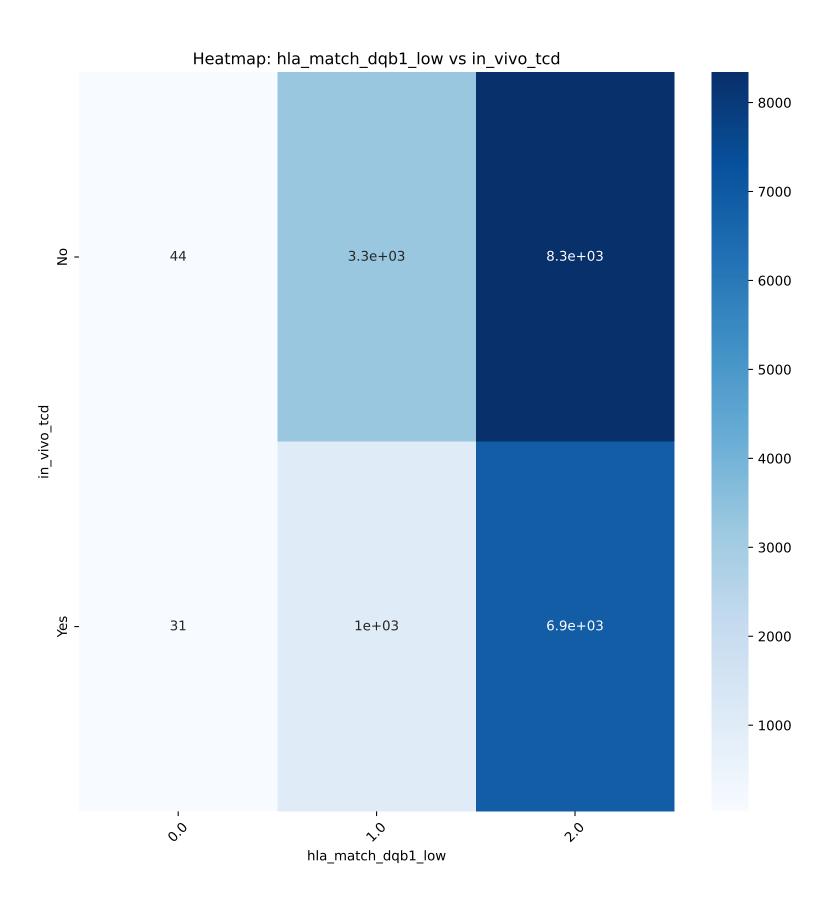
Heatmap: hla\_high\_res\_10 vs in\_vivo\_tcd - 4000 ₽ -0 16 2.1e+03 8.2e+02 6.4e+02 6.1e+02 5e+03 1e+03 - 3000 in\_vivo\_tcd - 2000 Yes -1 4.4e+02 2.6e+02 3.1e+02 4e+02 8.6e+02 4.8e+03 6 - 1000 - 0 °,0 0,0 °. 70 90 50 hla\_high\_res\_10

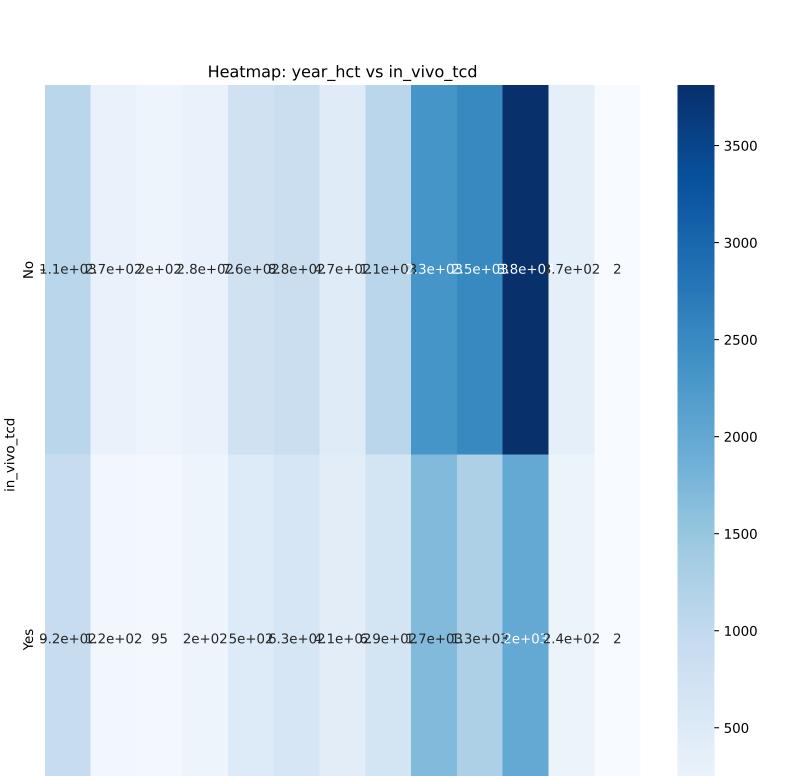


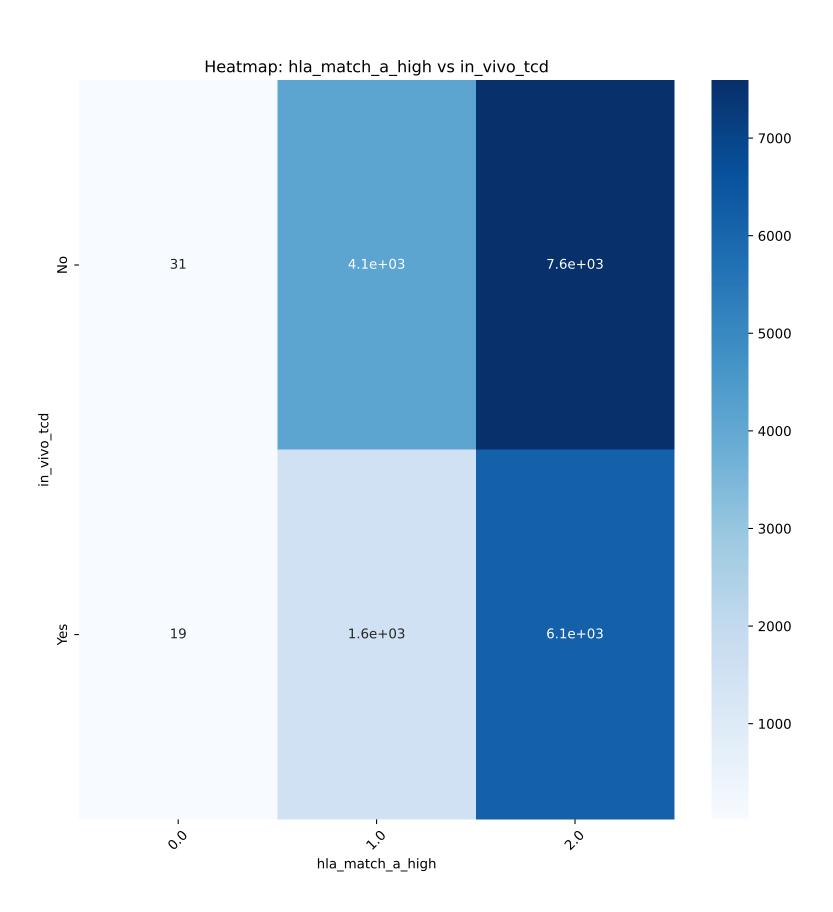


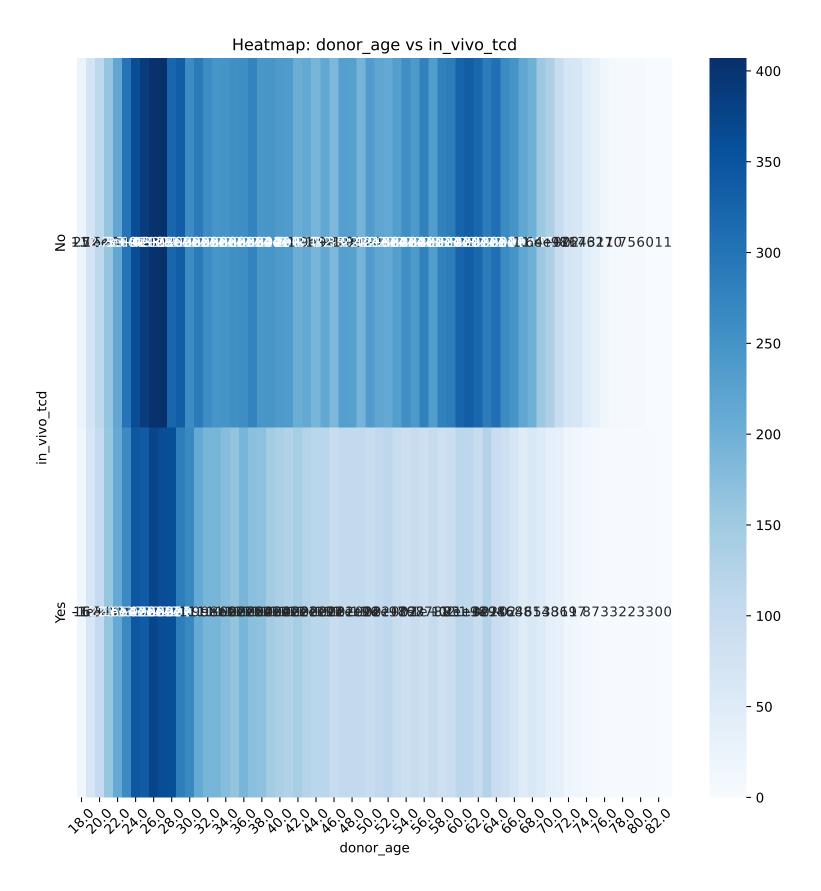


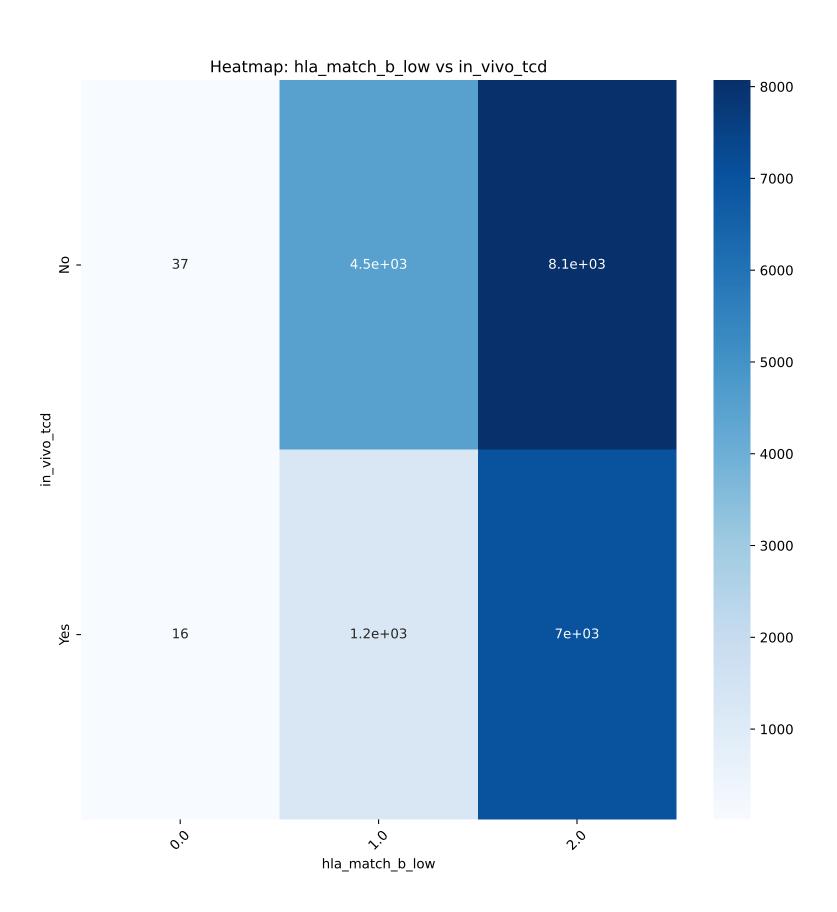








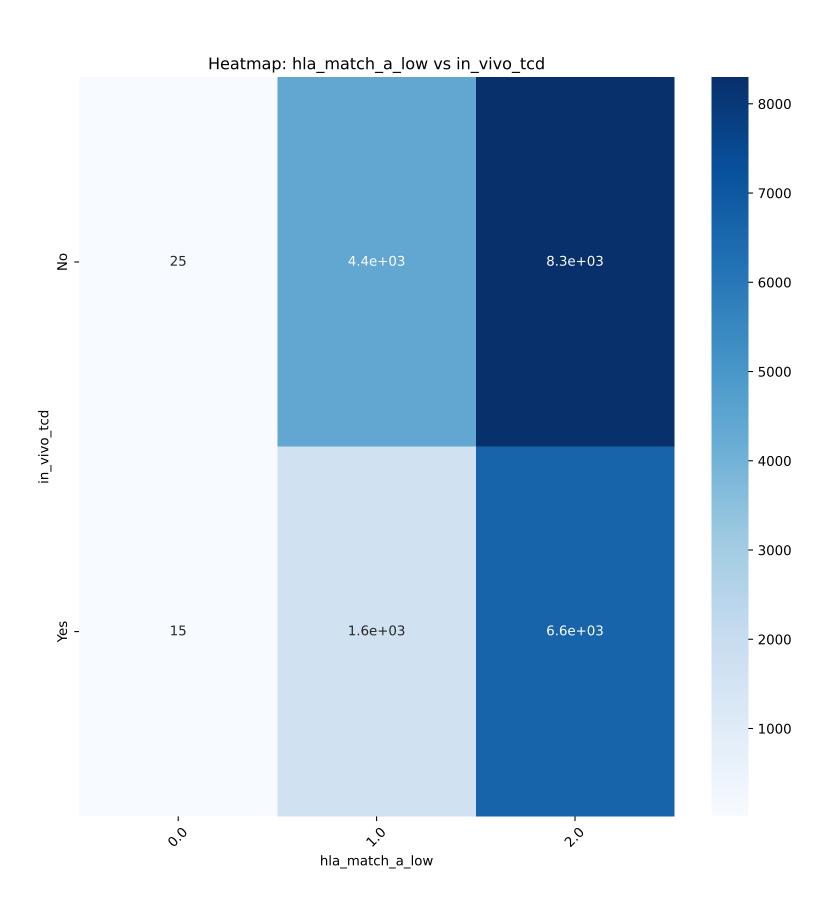


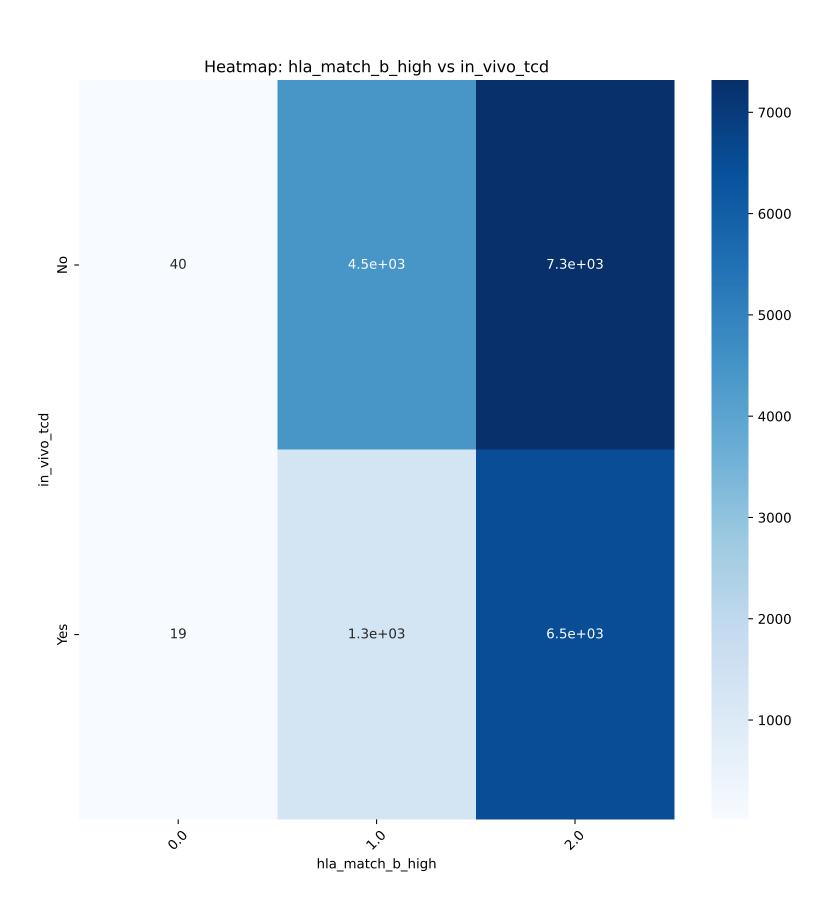


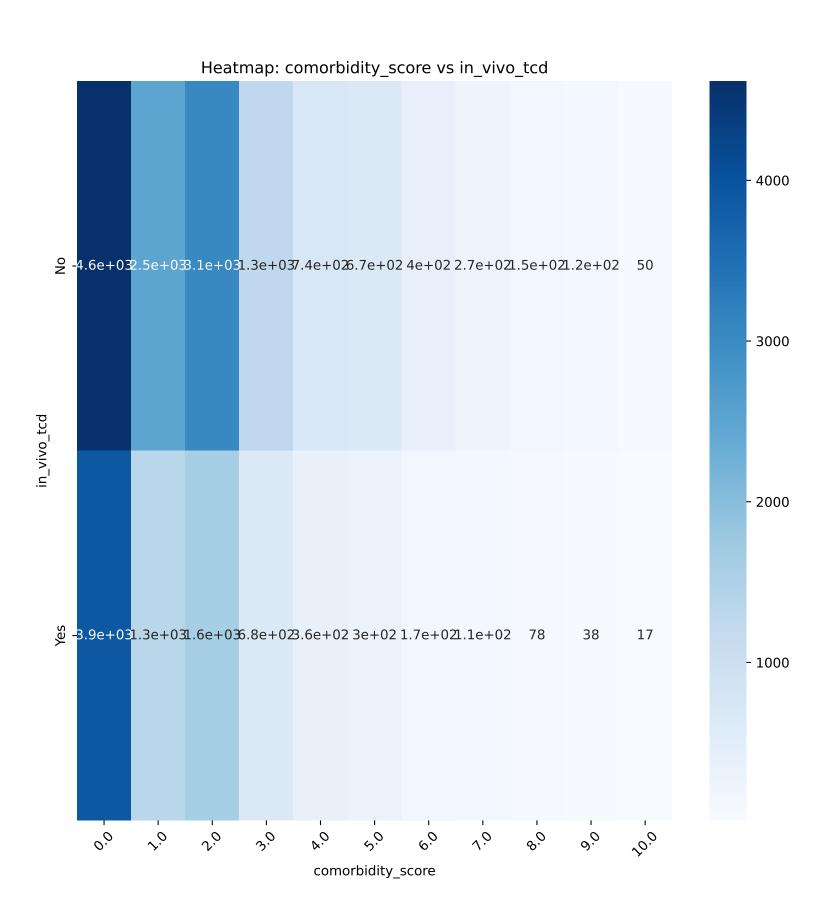
Heatmap: age\_at\_hct vs in\_vivo\_tcd 700 600 500 400 300 200 - 100

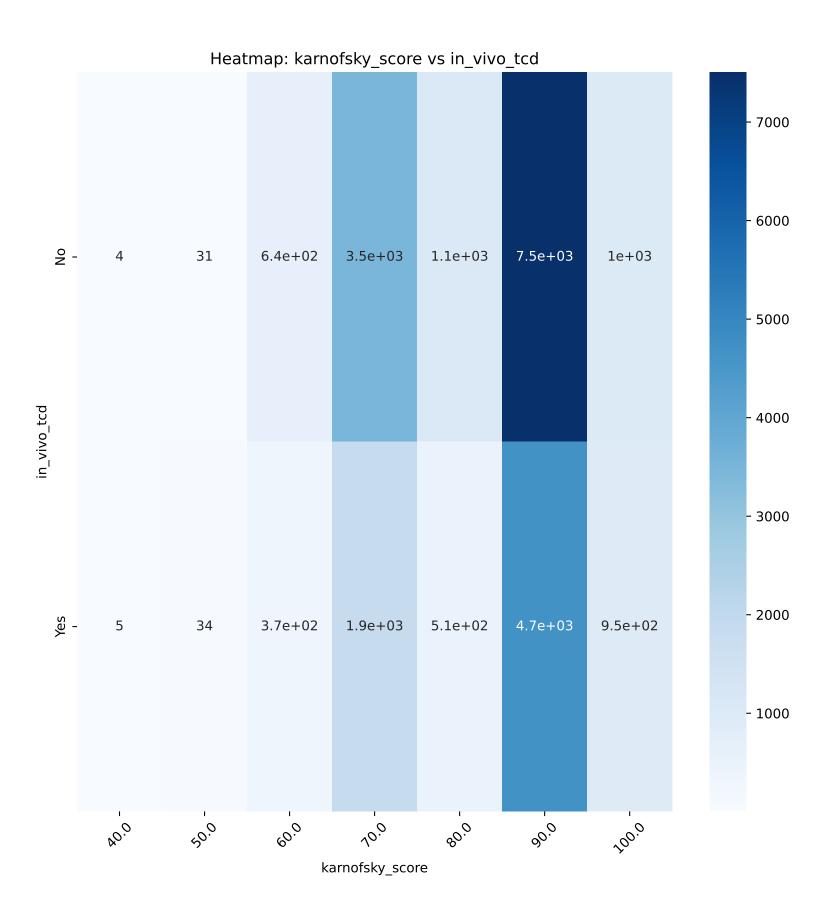
in\_vivo\_tcd

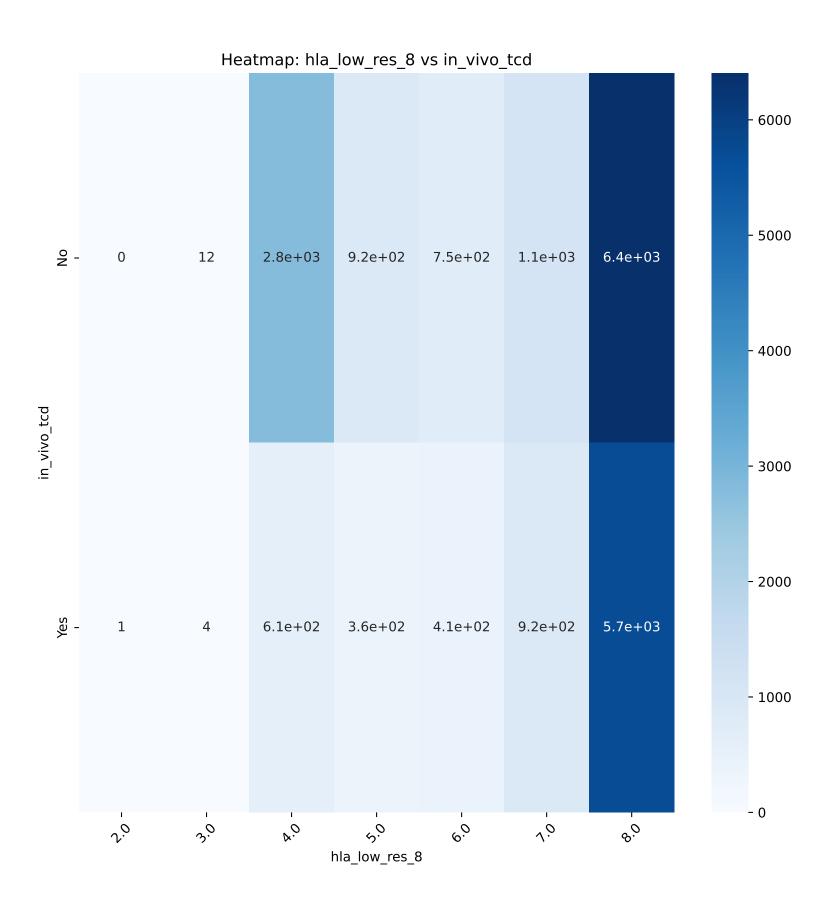
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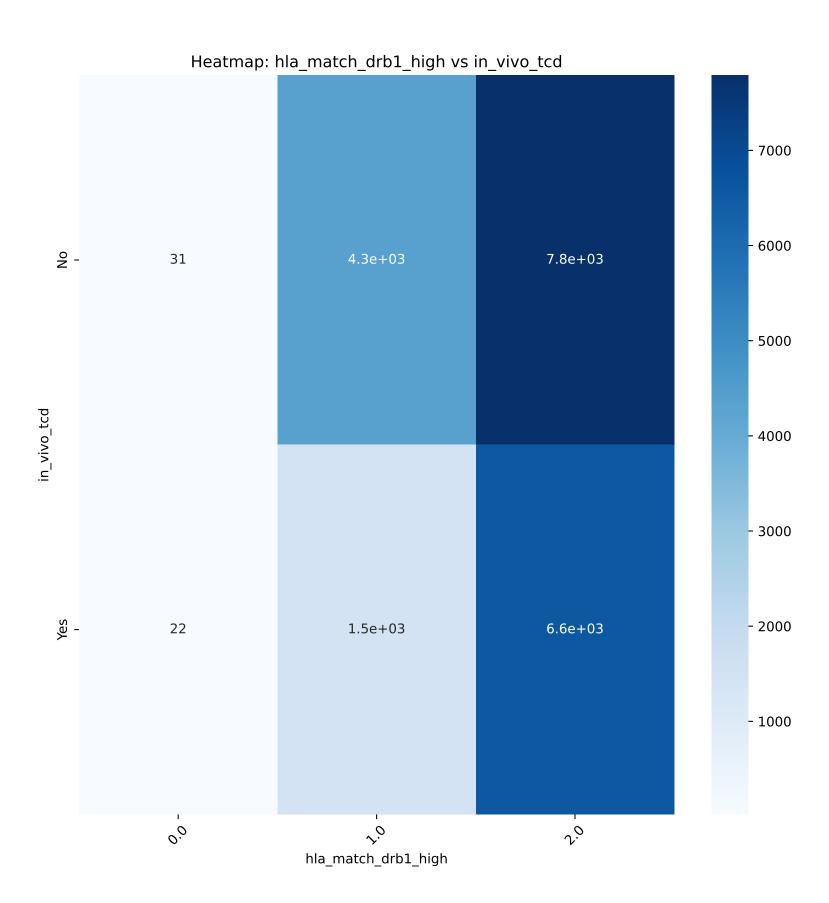






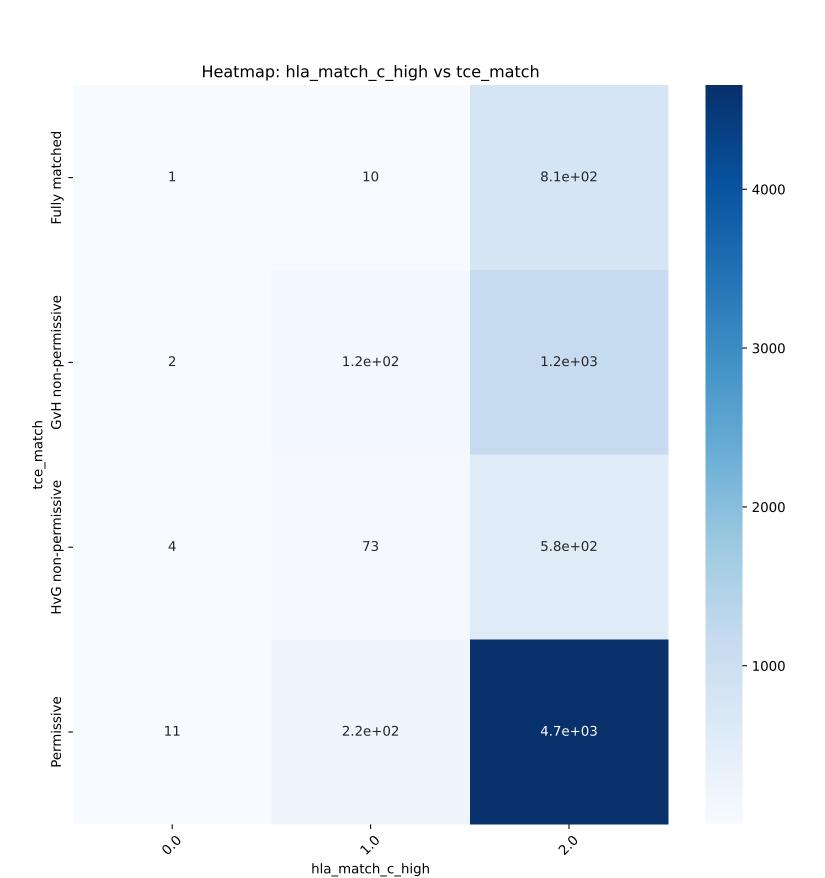




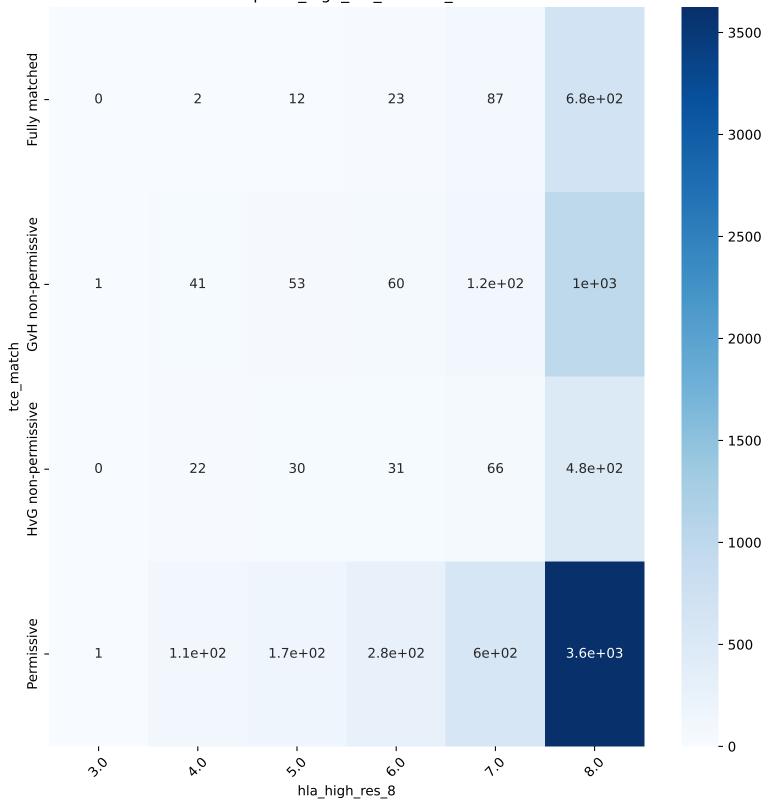


Heatmap: hla\_low\_res\_10 vs in\_vivo\_tcd - 5000 ₽-16 2.1e+03 9.6e+02 5.7e+03 6.4e+02 6.9e+02 1.1e+03 - 4000 in\_vivo\_tcd - 3000 - 2000 Yes -8 4.2e+02 3.4e+02 2.8e+02 4.2e+02 9.2e+02 5.3e+03 - 1000 \$. 0 60 40 90 90

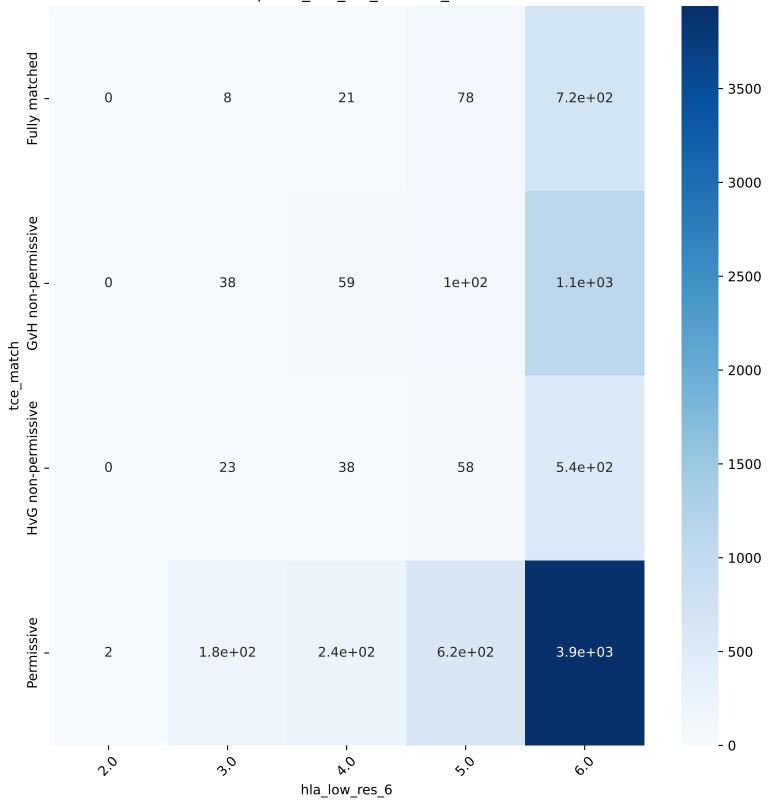
hla\_low\_res\_10



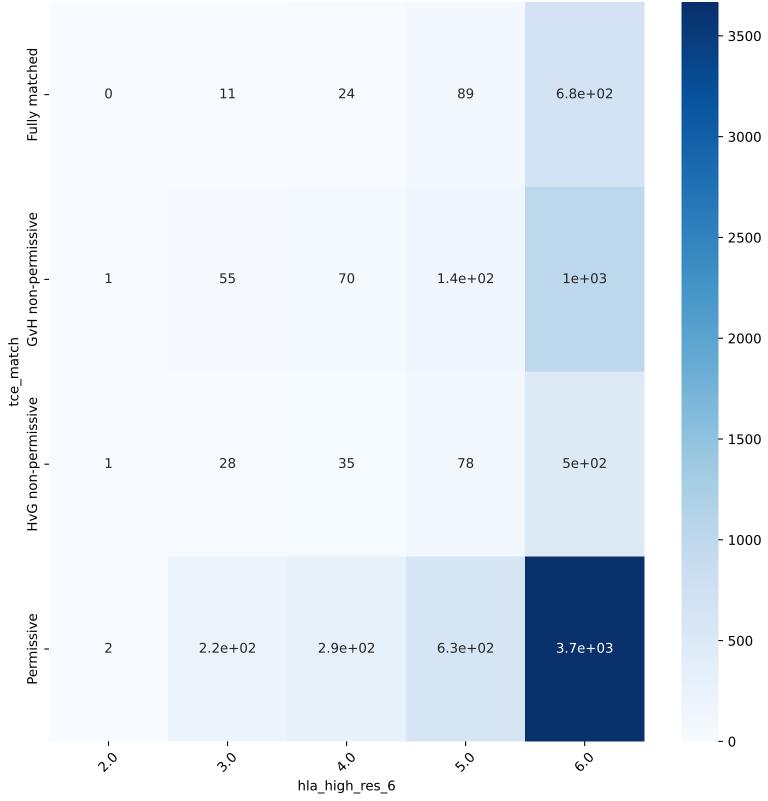
Heatmap: hla\_high\_res\_8 vs tce\_match



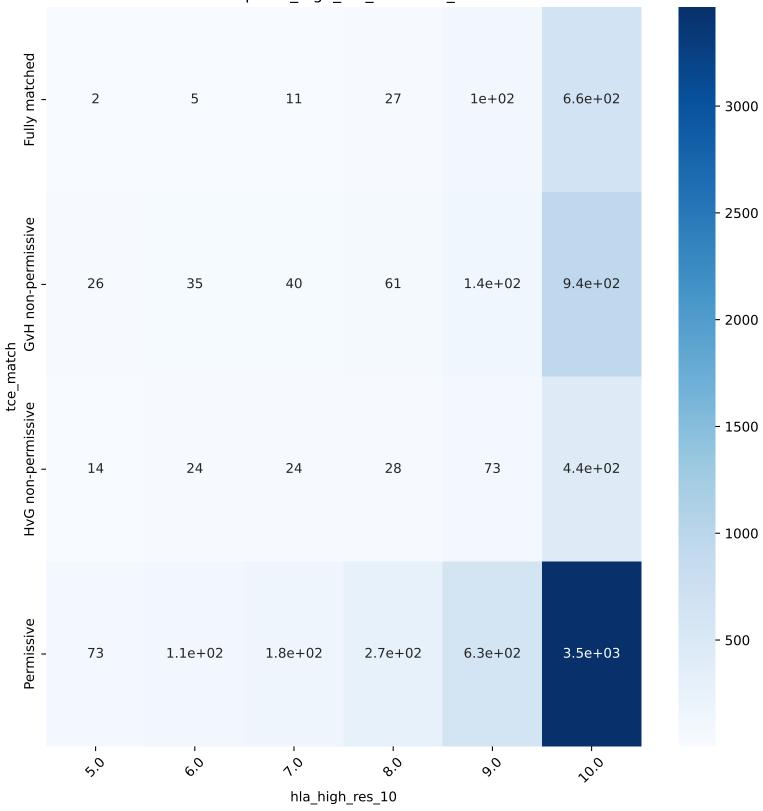
Heatmap: hla\_low\_res\_6 vs tce\_match

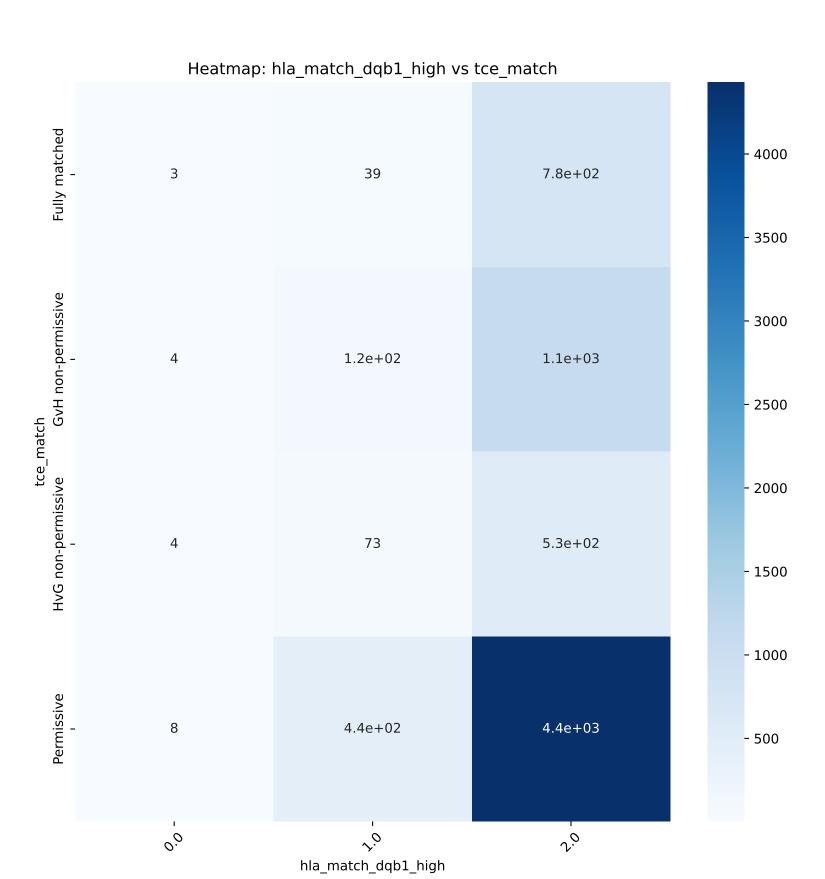


Heatmap: hla\_high\_res\_6 vs tce\_match

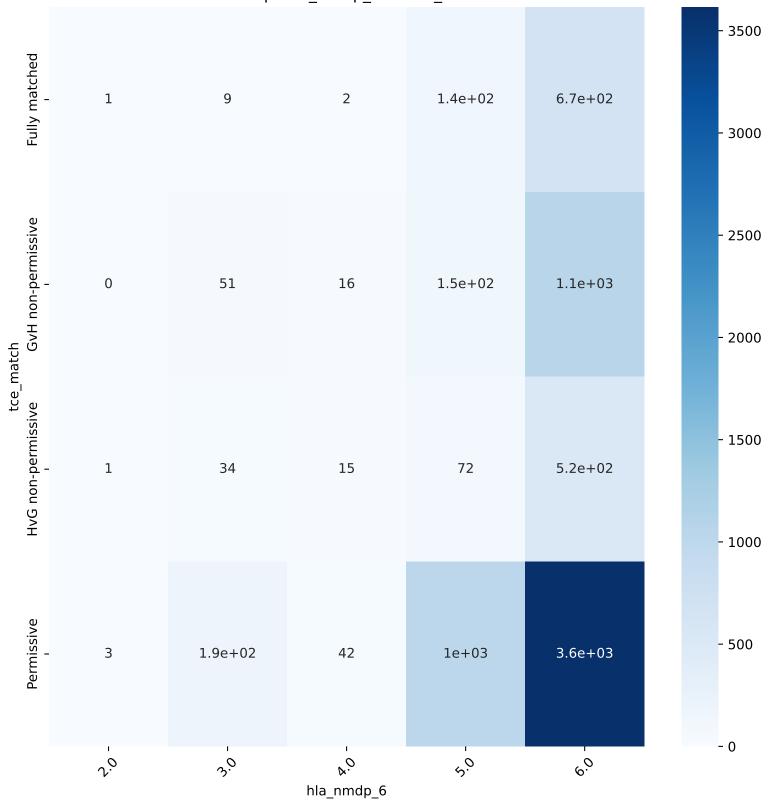


Heatmap: hla\_high\_res\_10 vs tce\_match

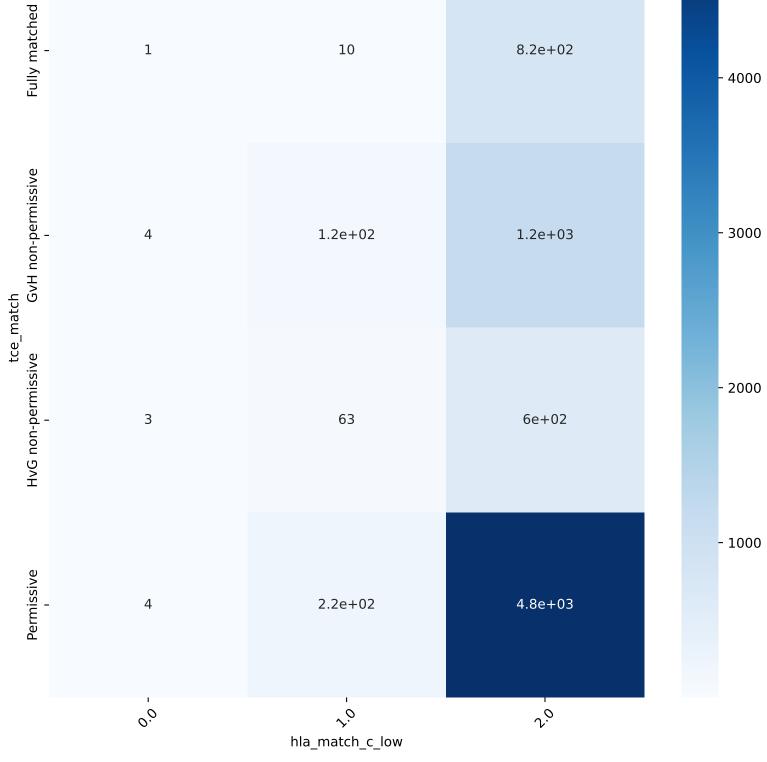


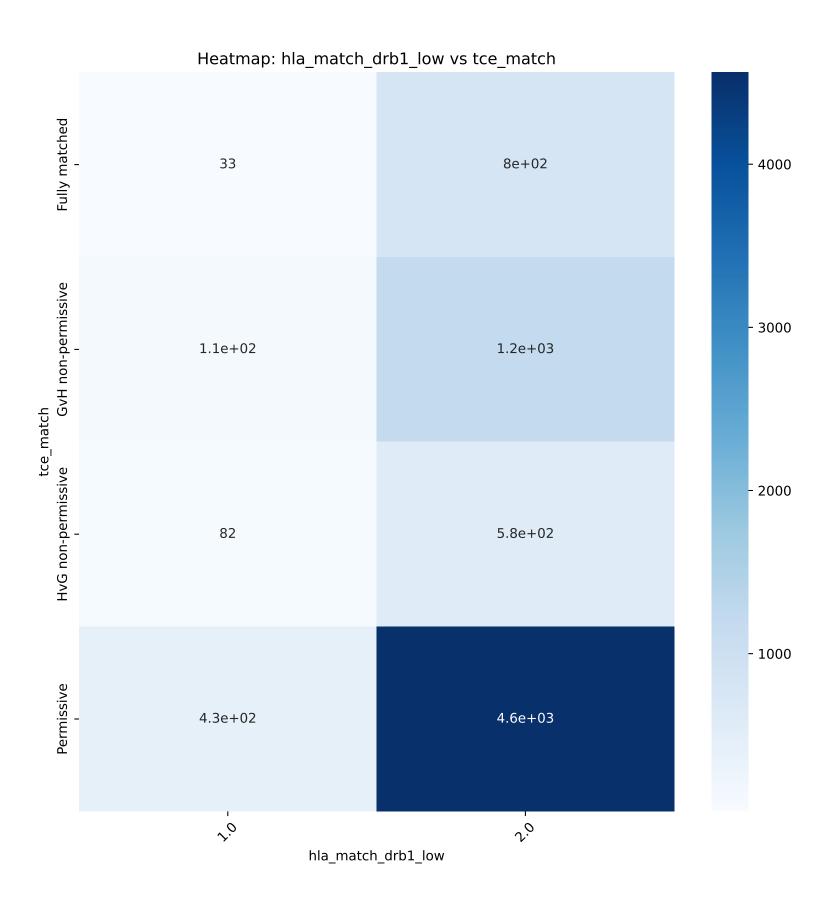


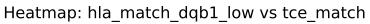
Heatmap: hla\_nmdp\_6 vs tce\_match

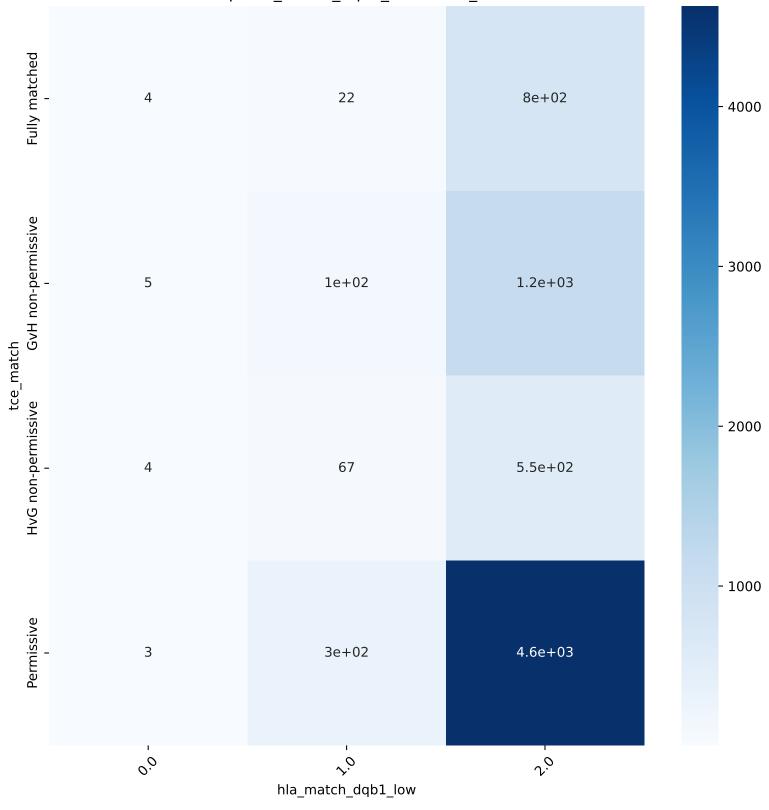


Heatmap: hla\_match\_c\_low vs tce\_match 8.2e+02 10 1.2e+02 1.2e+03 6e+02 63

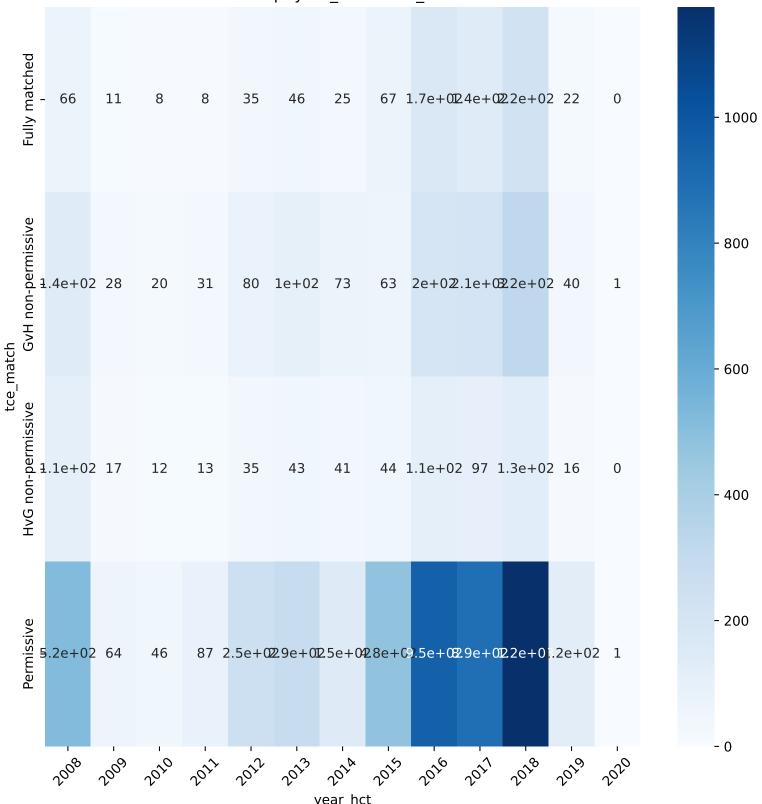


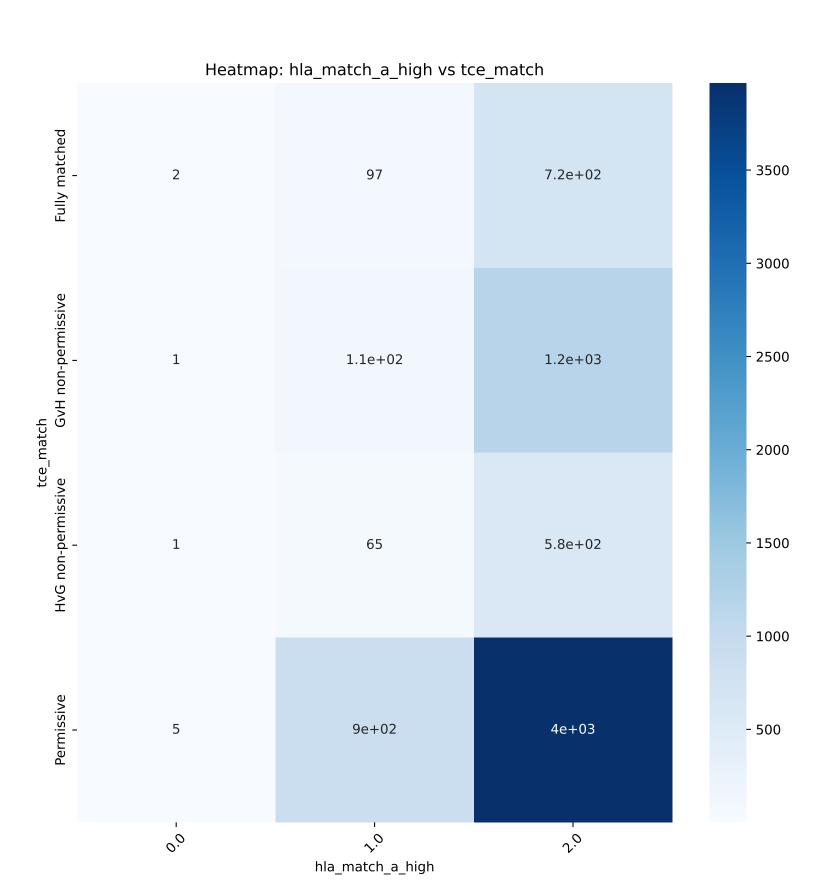




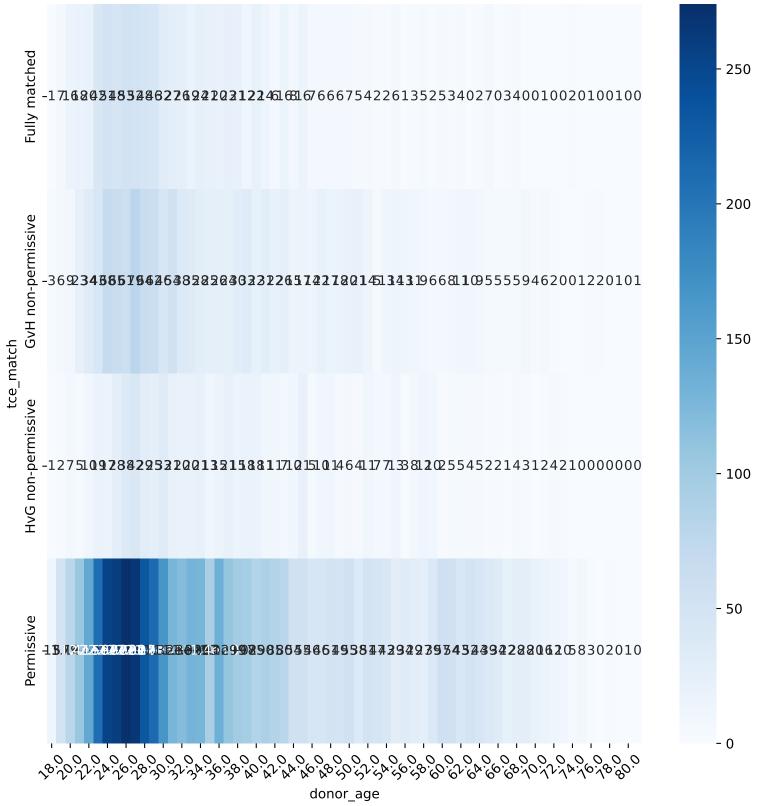


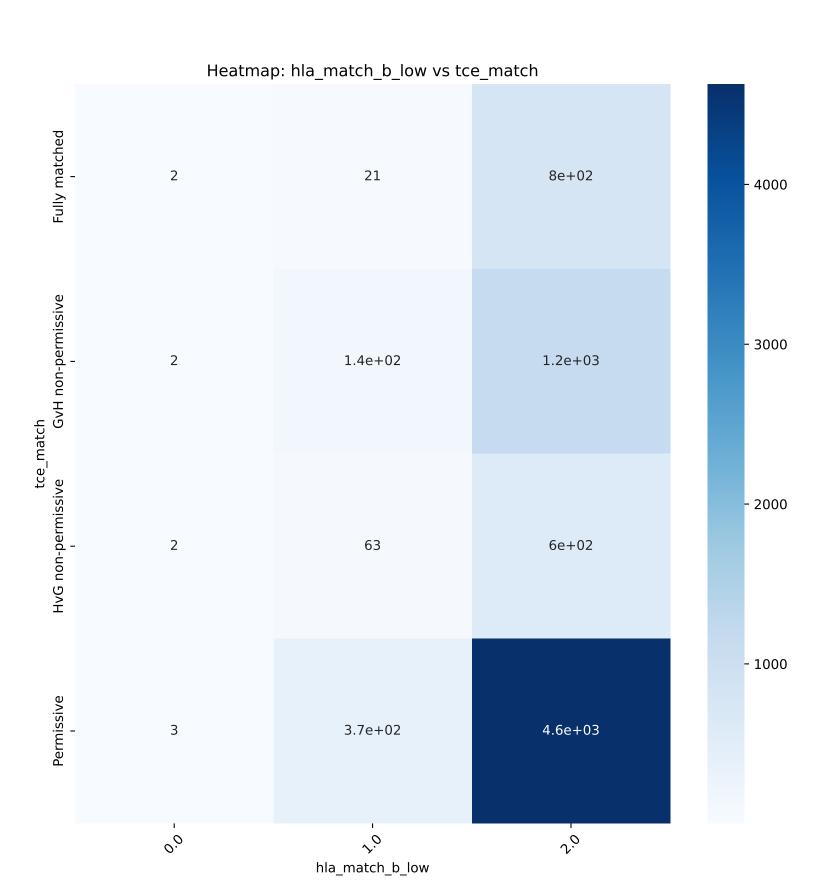
Heatmap: year\_hct vs tce\_match



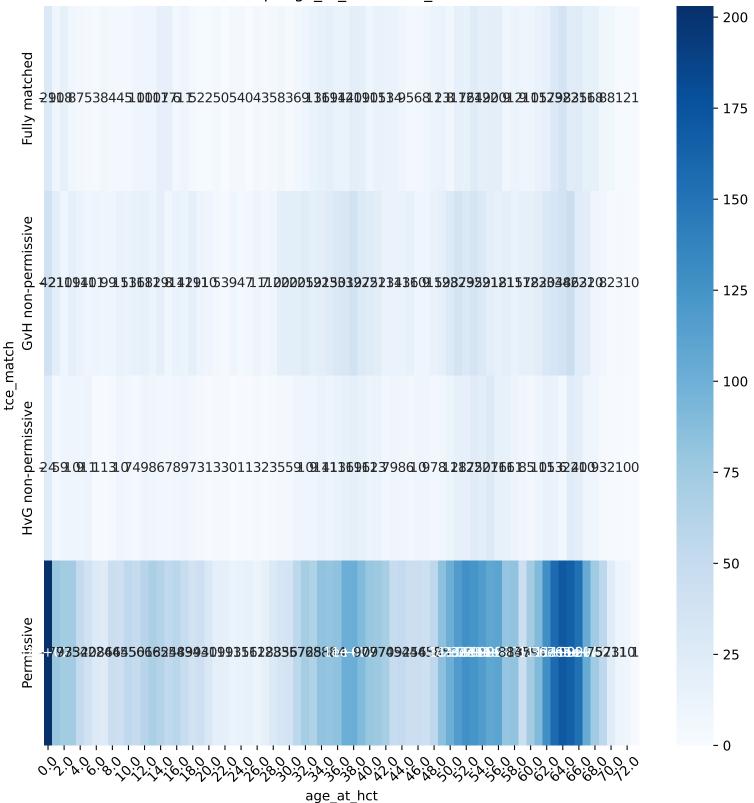


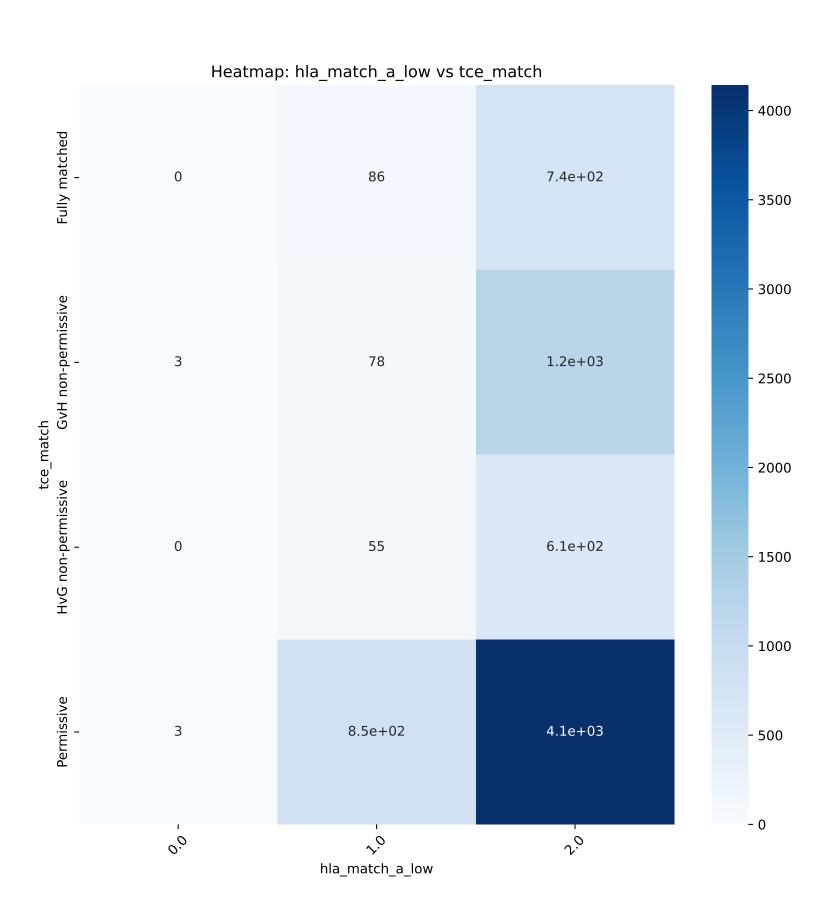
## Heatmap: donor\_age vs tce\_match

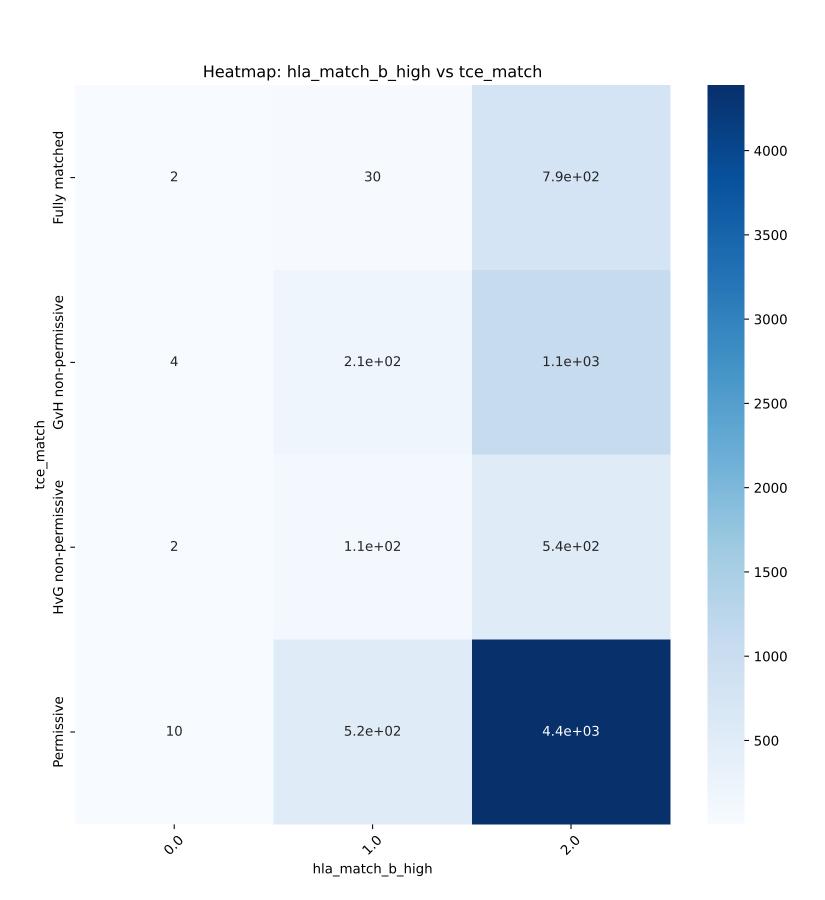




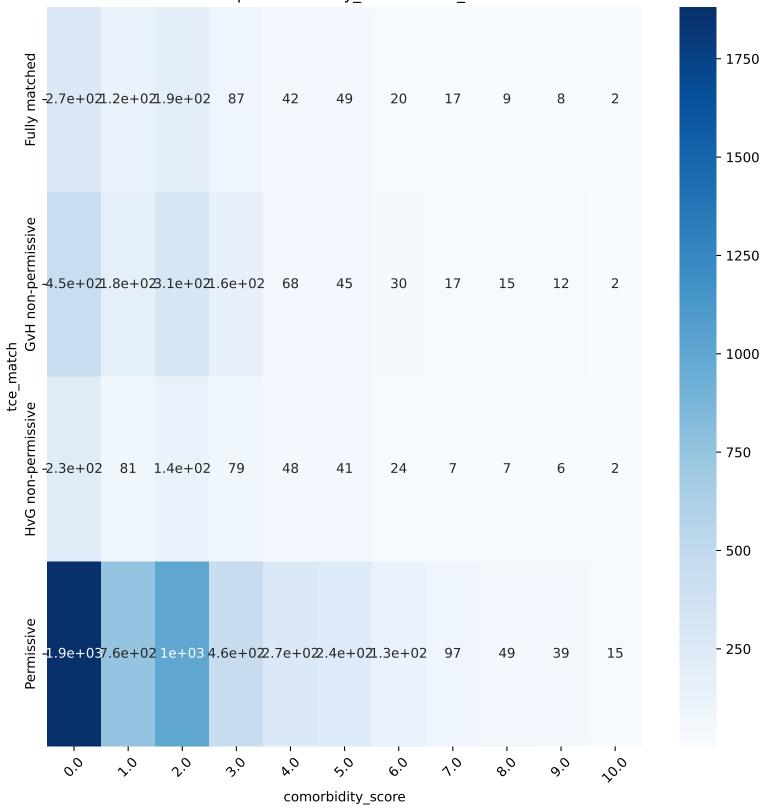
## Heatmap: age\_at\_hct vs tce\_match



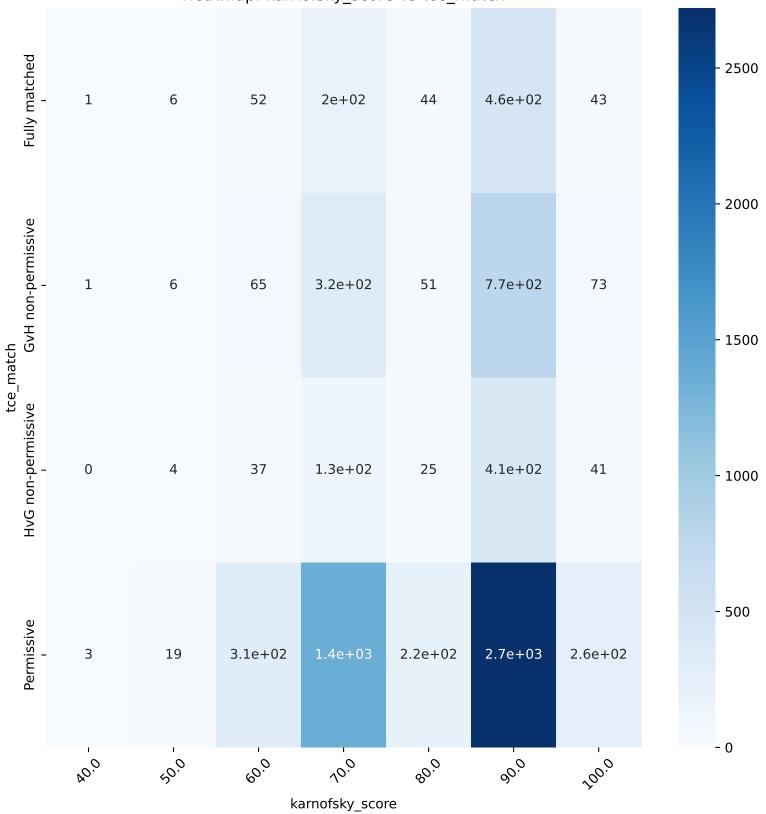




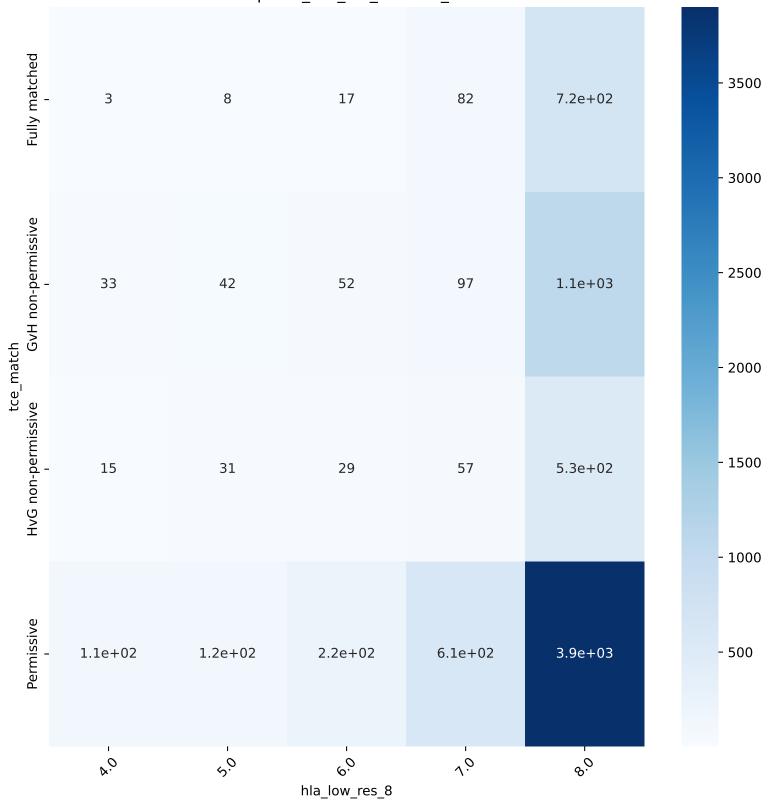
Heatmap: comorbidity\_score vs tce\_match



Heatmap: karnofsky\_score vs tce\_match



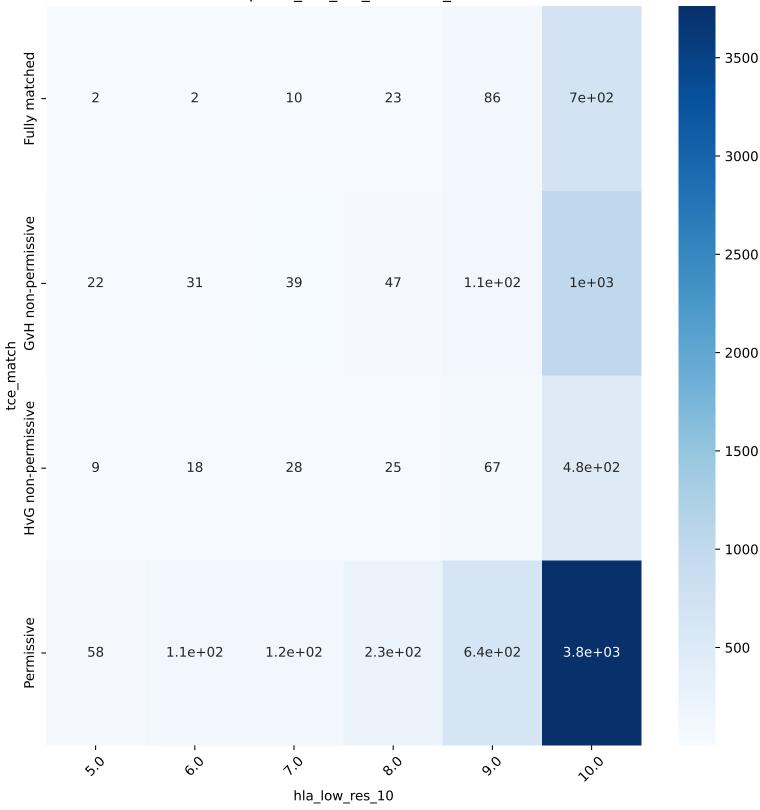
Heatmap: hla\_low\_res\_8 vs tce\_match

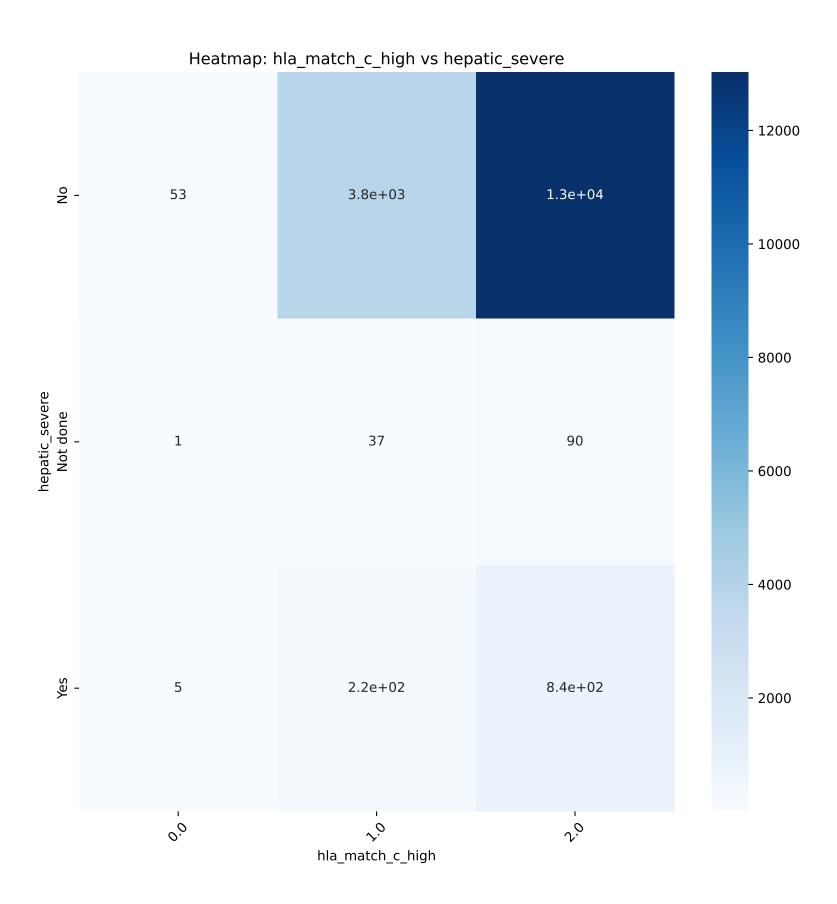


Heatmap: hla\_match\_drb1\_high vs tce\_match Fully matched - 4000 0 41 7.8e+02 - 3500 tce\_match ive GvH non-permissive 3000 1.2e+02 1.2e+03 3 - 2500 HvG non-permissive - 2000 1 59 6e+02 - 1500 - 1000 Permissive 4.5e+03 7 4.5e+02 - 500 - 0 ^; o

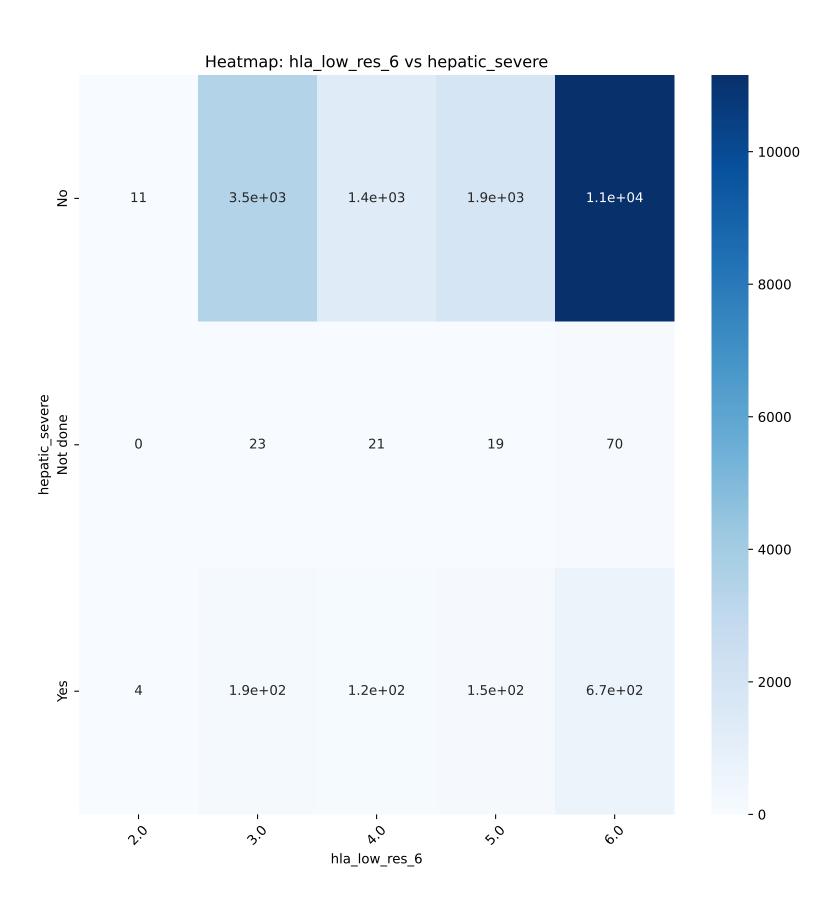
hla\_match\_drb1\_high

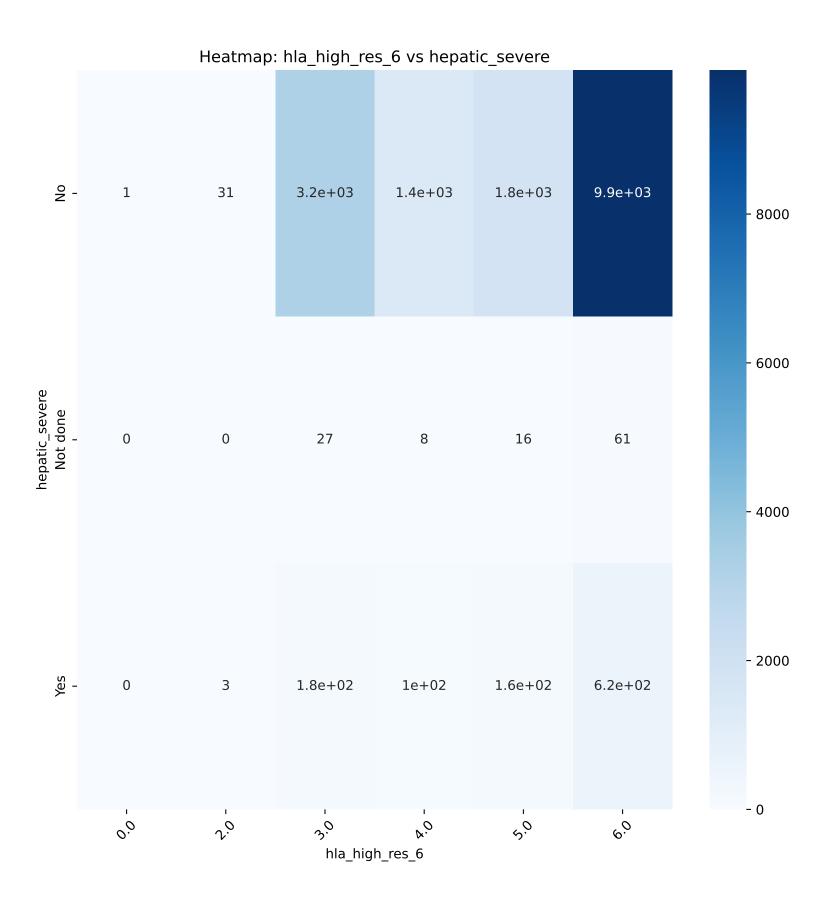
Heatmap: hla\_low\_res\_10 vs tce\_match



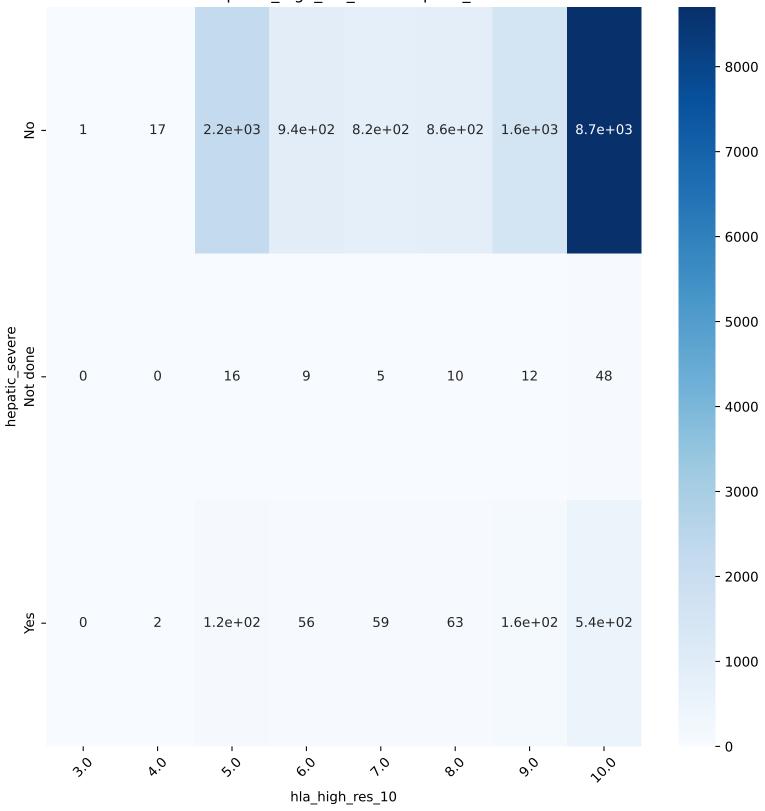


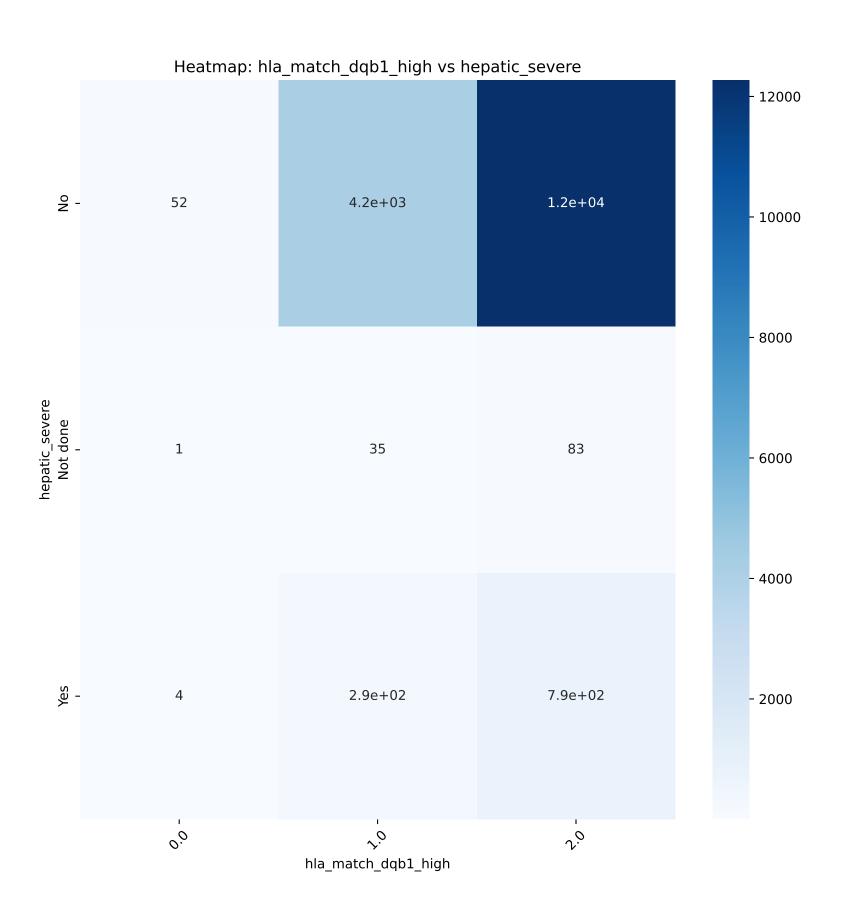
Heatmap: hla\_high\_res\_8 vs hepatic\_severe ဍိ -2 21 2.7e+03 1.2e+03 1e+03 1.6e+03 9.6e+03 8000 6000 hepatic\_severe Not done 0 0 22 9 6 19 56 4000 - 2000 Yes -2 1.4e+02 72 75 1.4e+02 5.9e+02 - 0 50 10 Þ. 0 60 hla\_high\_res\_8

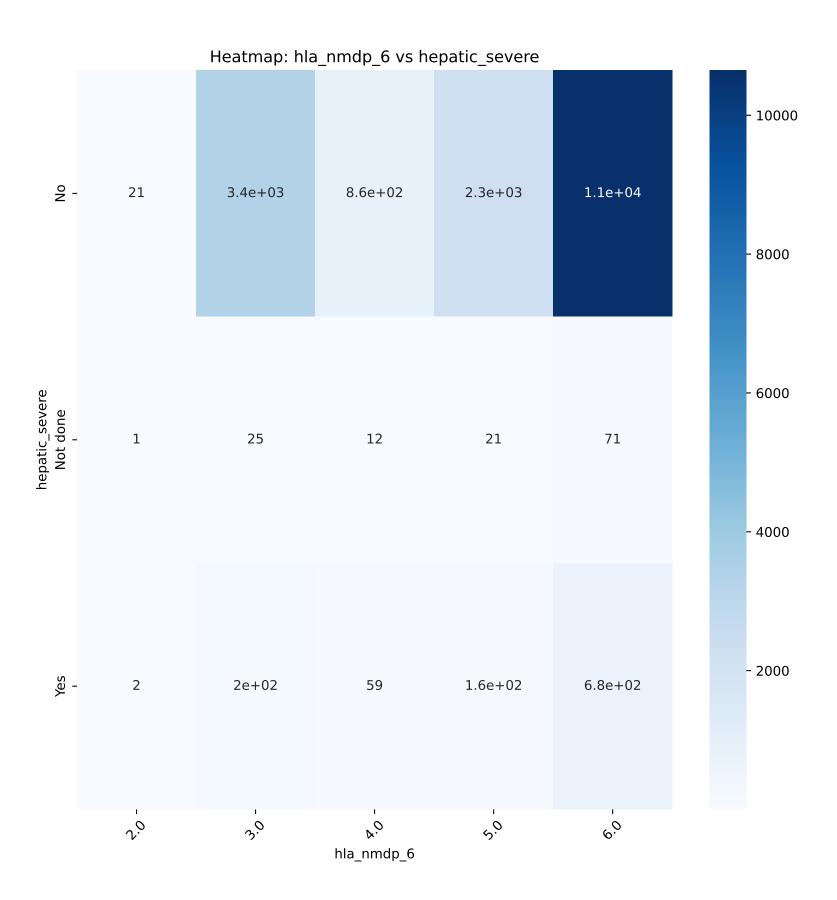


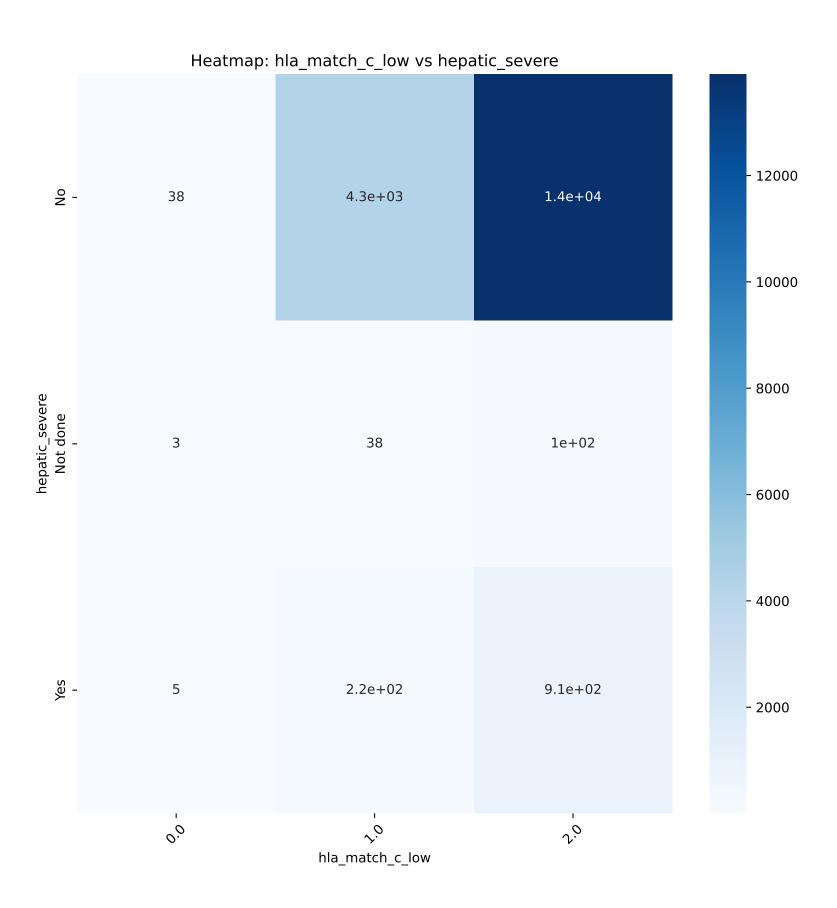


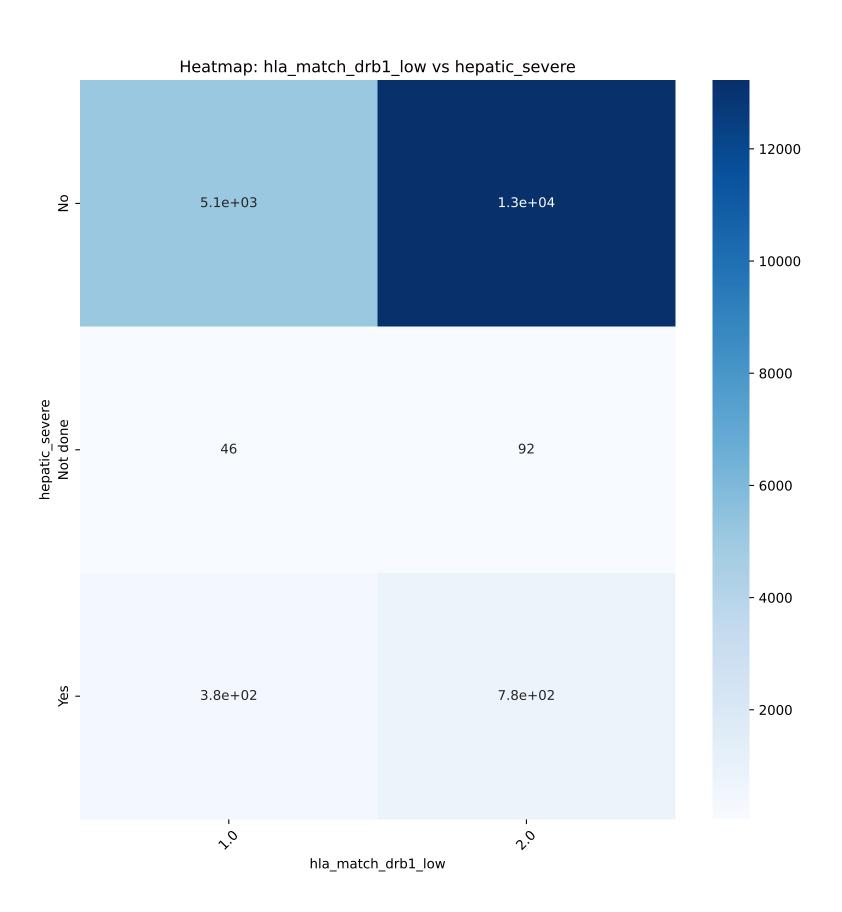
Heatmap: hla\_high\_res\_10 vs hepatic\_severe

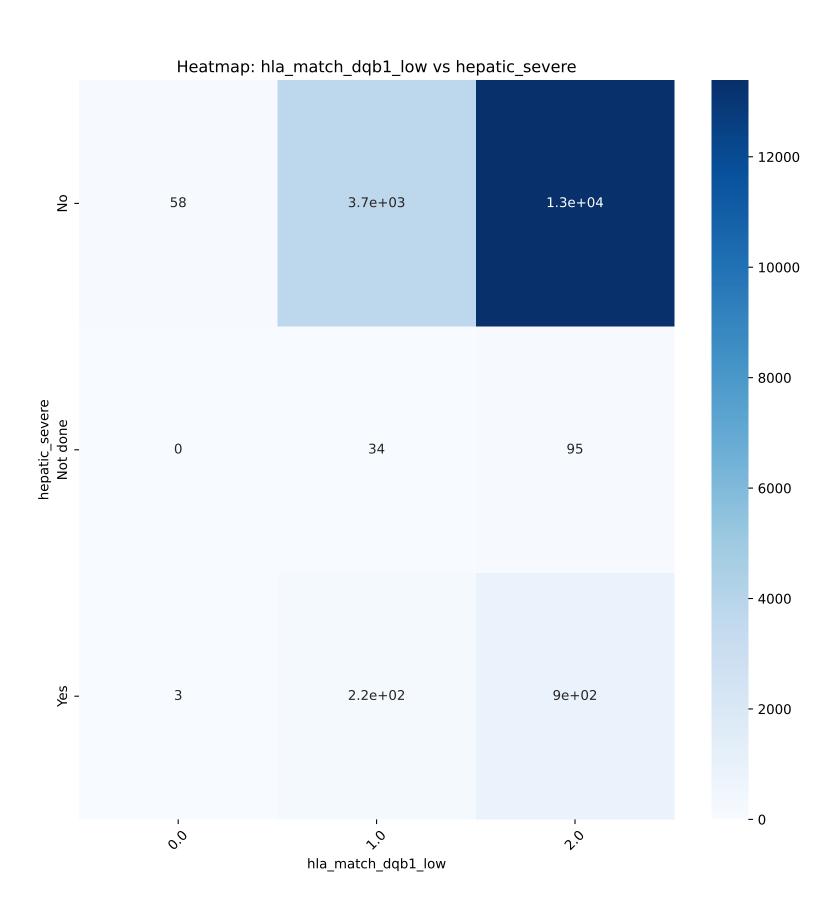


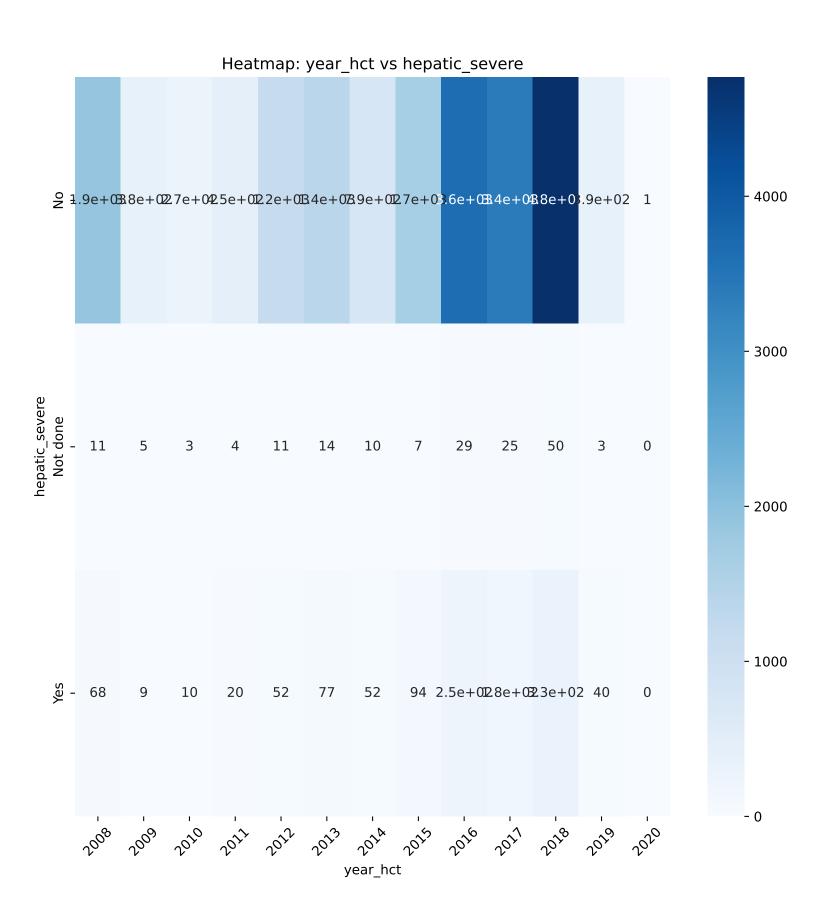


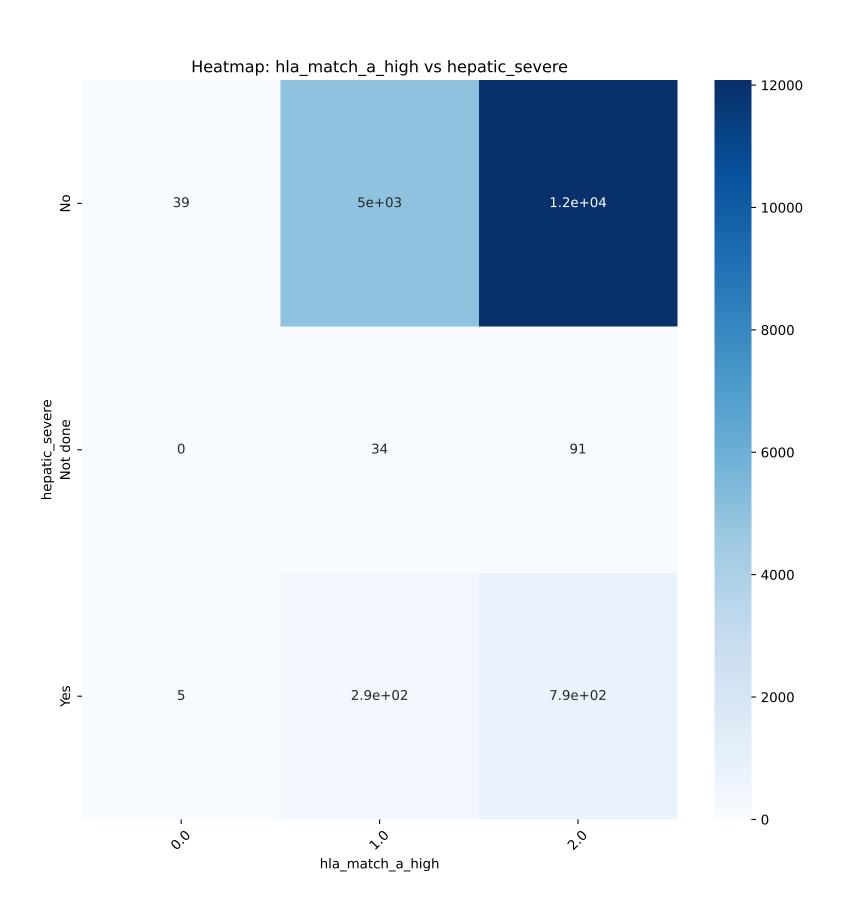


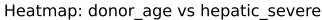


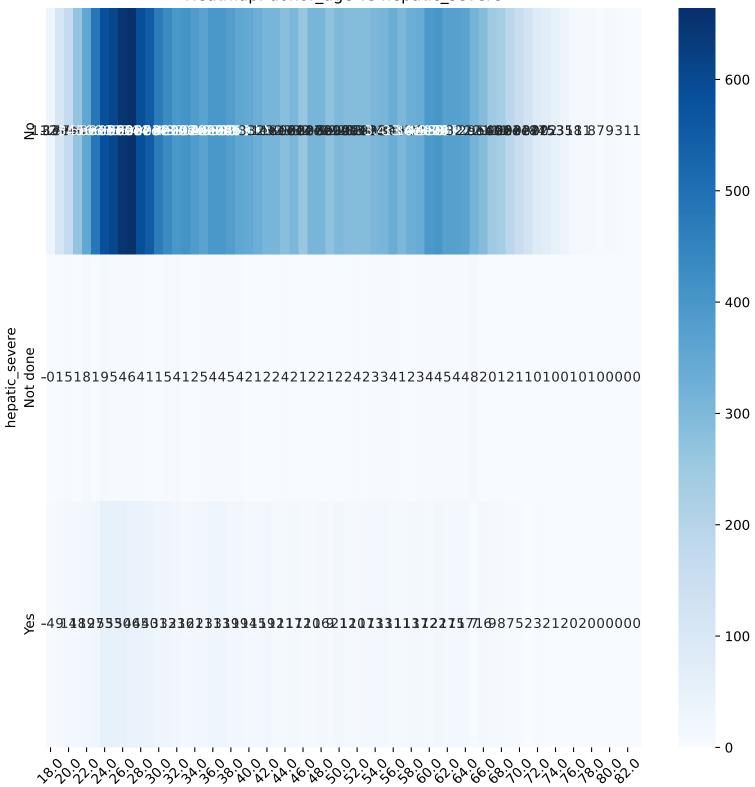




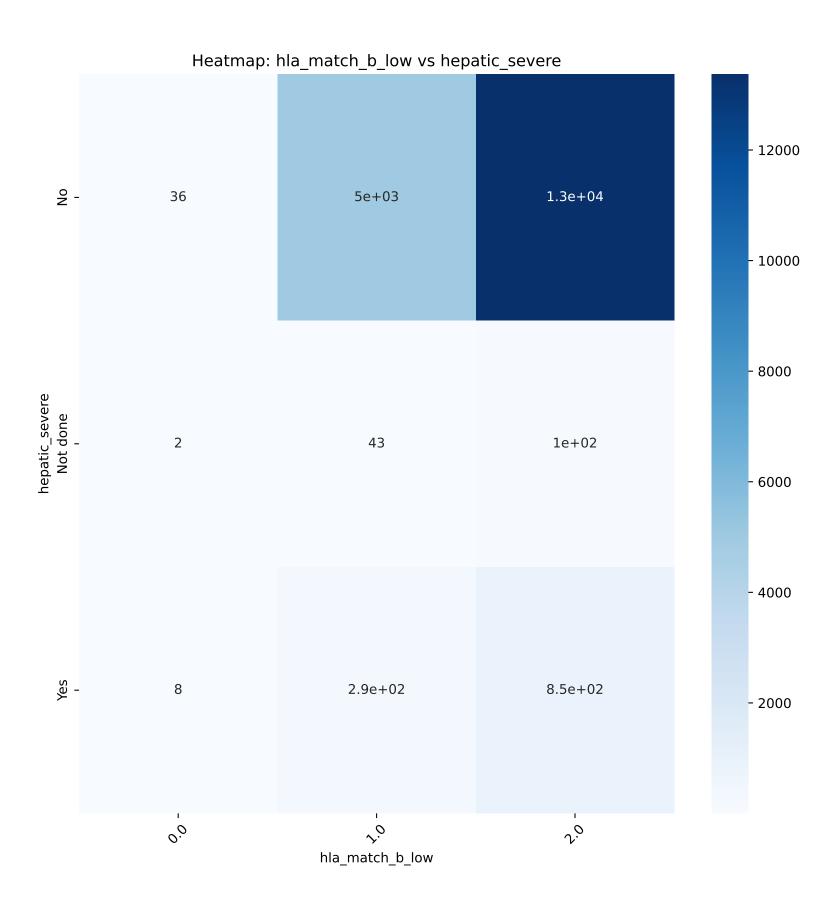




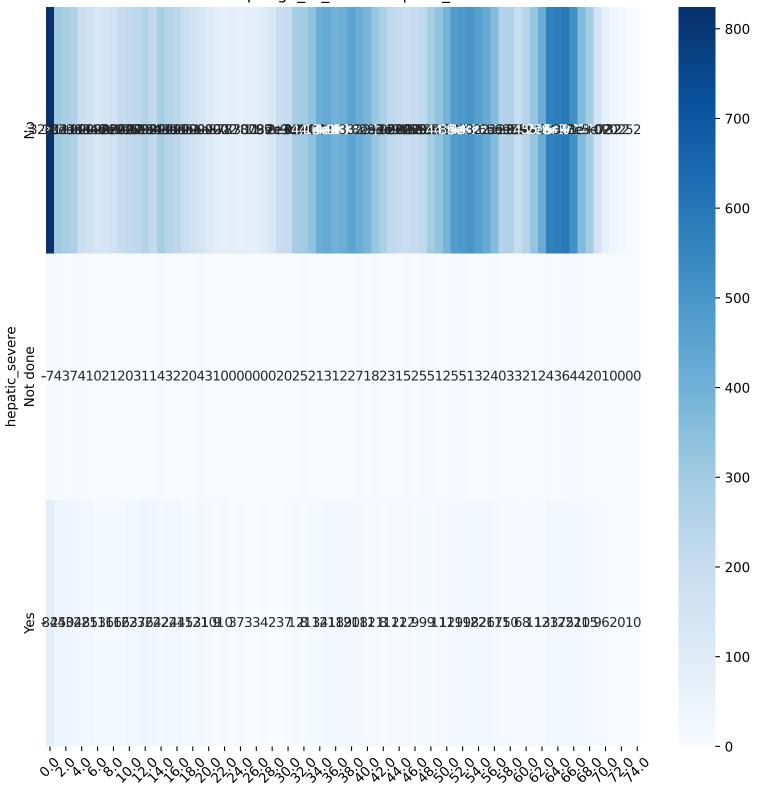


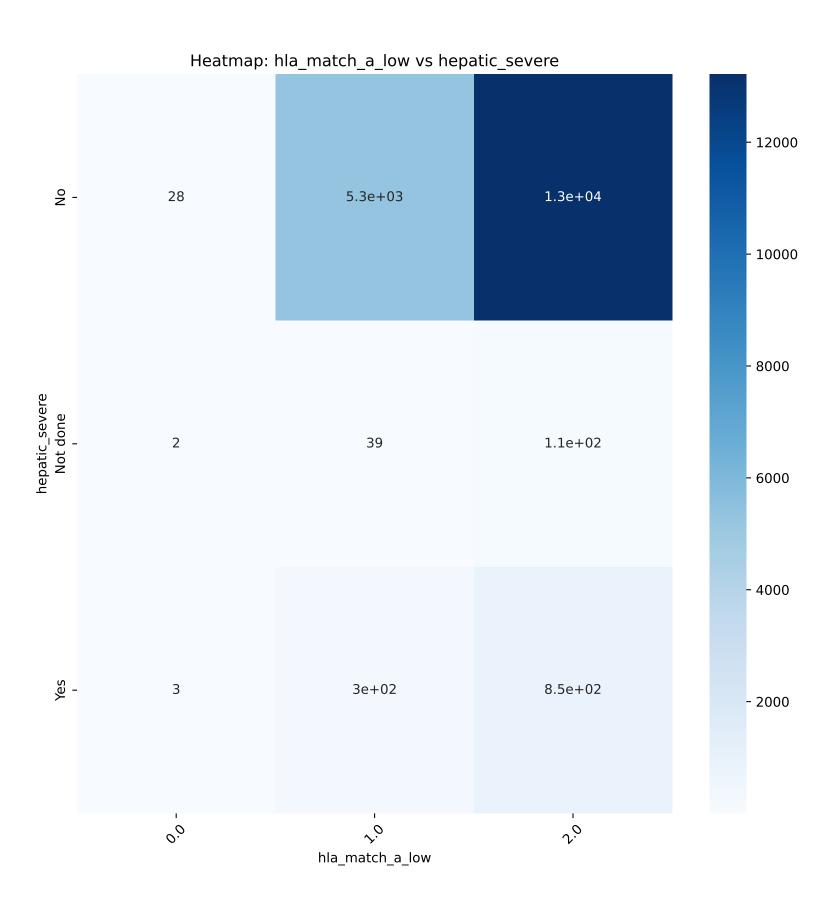


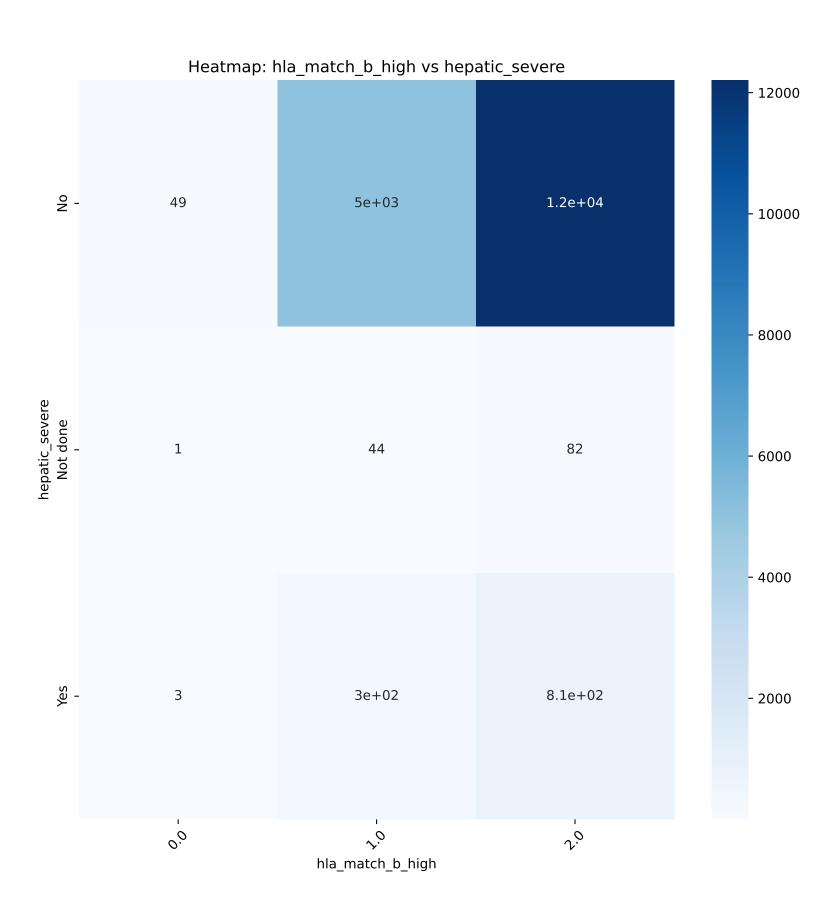
donor\_age

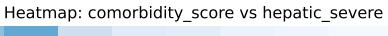


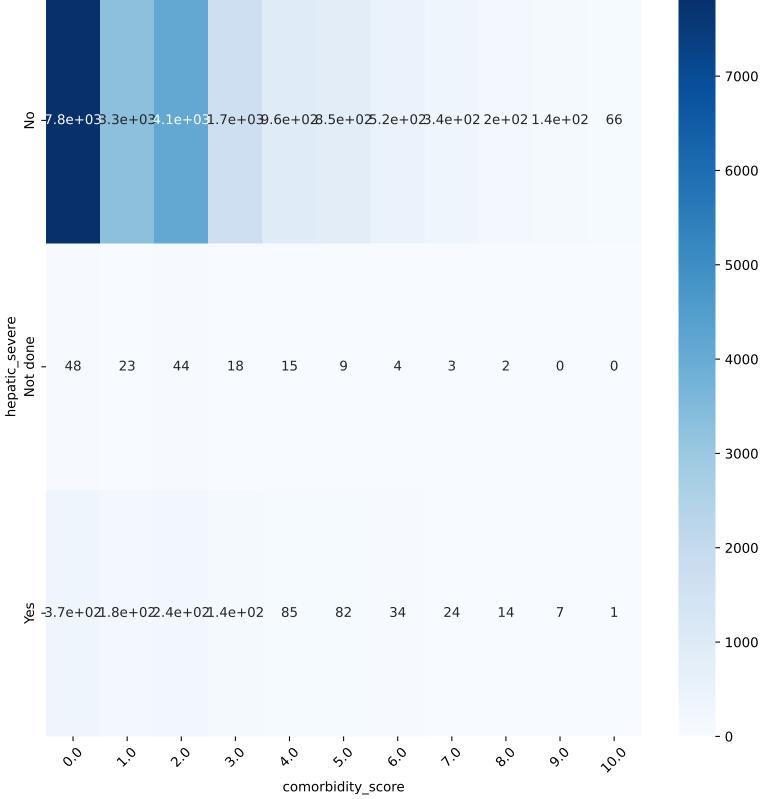
## Heatmap: age\_at\_hct vs hepatic\_severe

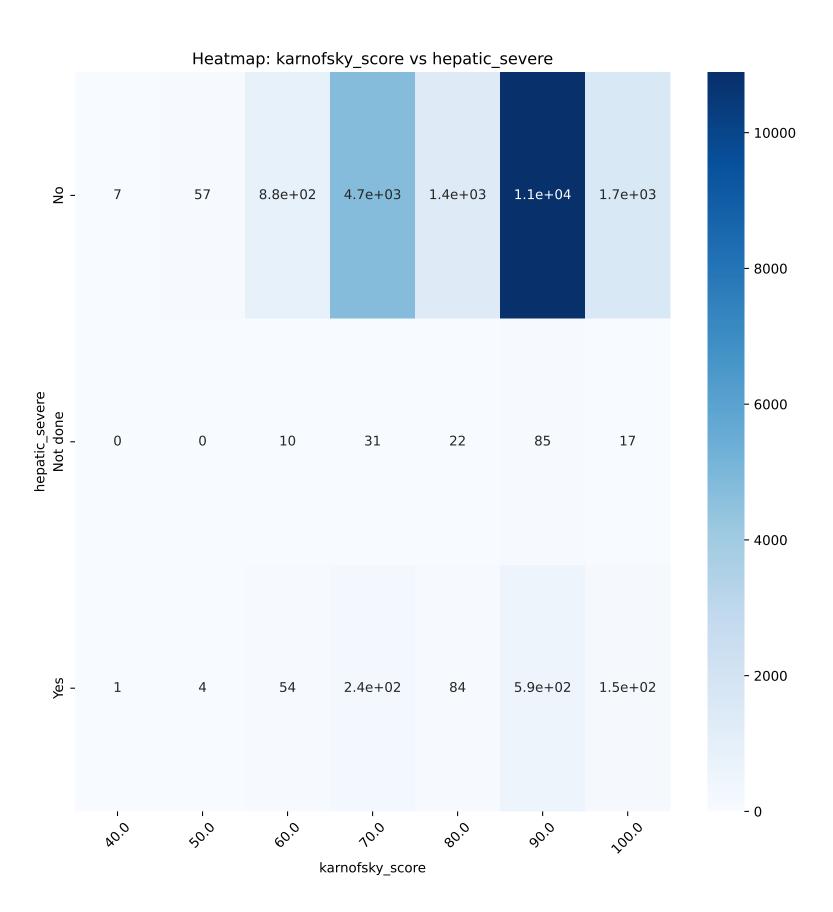




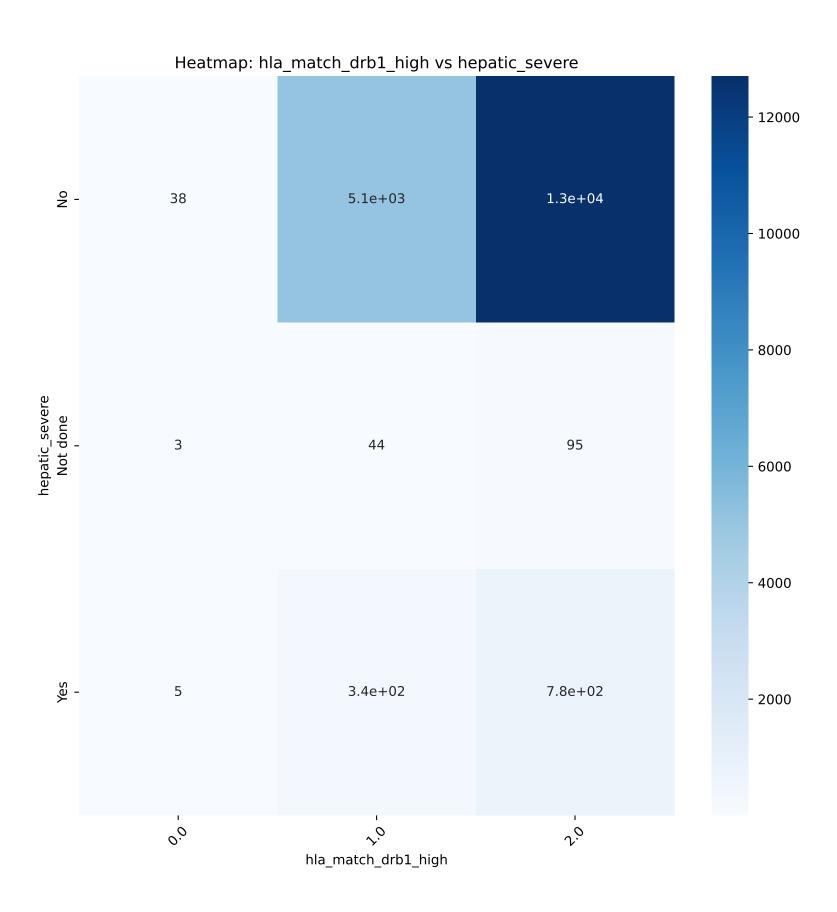






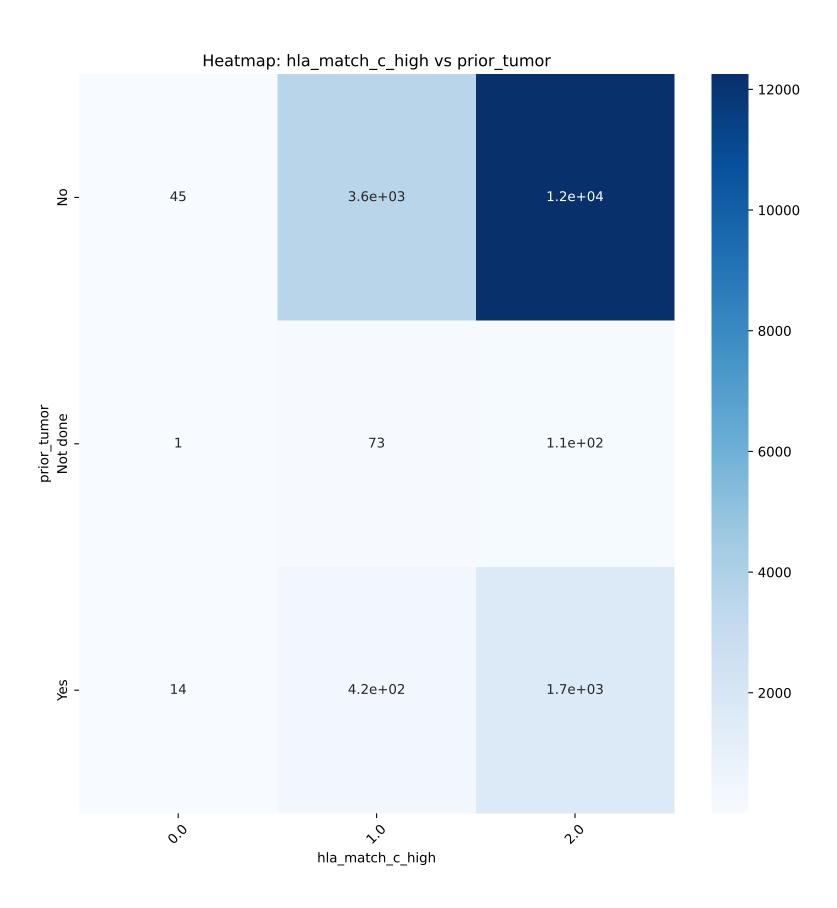


Heatmap: hla\_low\_res\_8 vs hepatic\_severe - 10000 ဍိ -1 11 3e+03 1.1e+03 9.6e+02 1.8e+03 1.1e+04 8000 hepatic\_severe Not done 6000 0 1 20 12 16 16 65 - 4000 - 2000 Yes -3 1.6e+02 71 92 1.4e+02 6.6e+02 - 0 10 Þ. 0 60 hla\_low\_res\_8

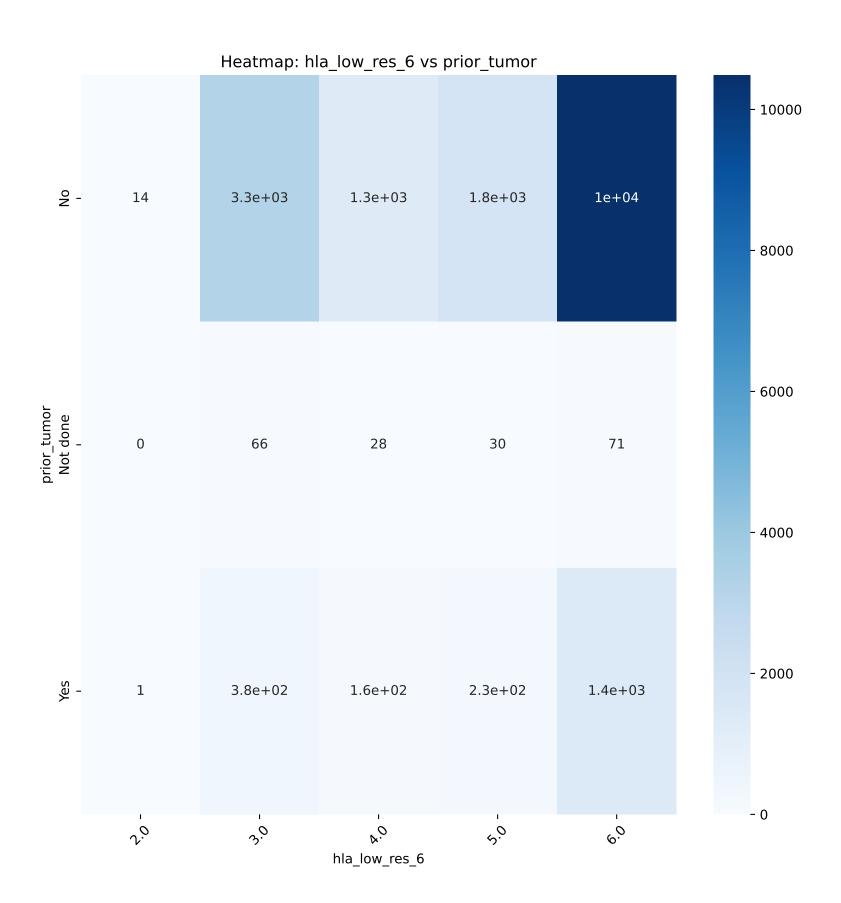


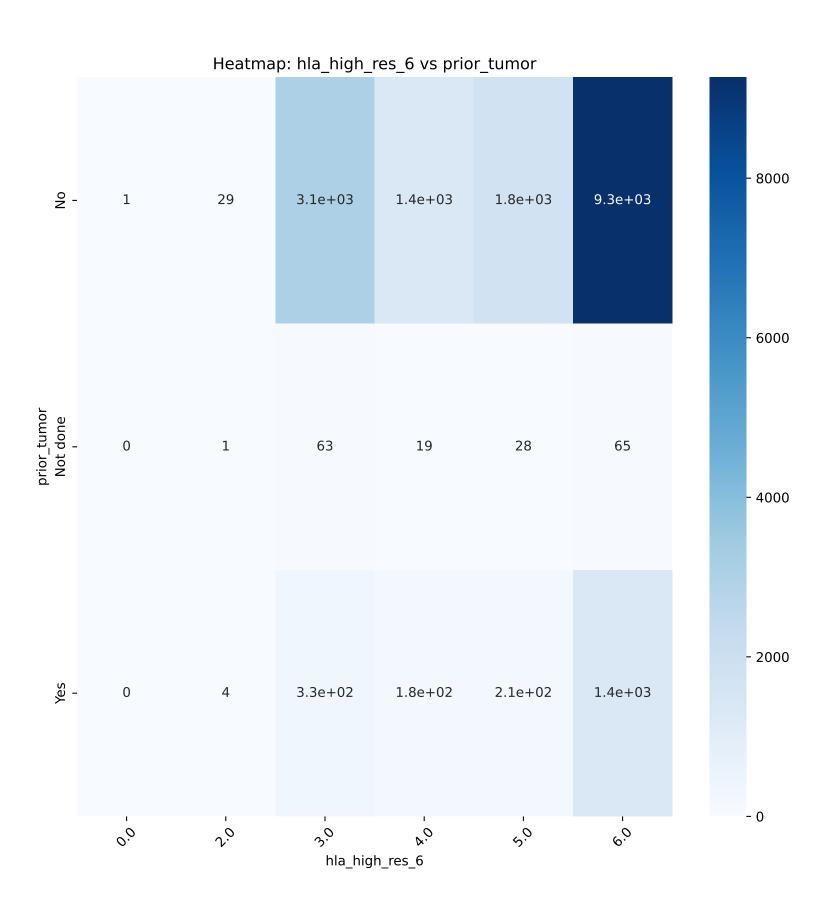
Heatmap: hla\_low\_res\_10 vs hepatic\_severe ဍိ -16 2.3e+03 1.1e+03 8e+02 9.1e+02 1.7e+03 9.8e+03 - 8000 - 6000 hepatic\_severe Not done 0 17 7 11 13 13 56 - 4000 - 2000 Yes -4 1.1e+02 74 49 92 1.4e+02 6.2e+02 - 0 10 60 00 80

hla\_low\_res\_10

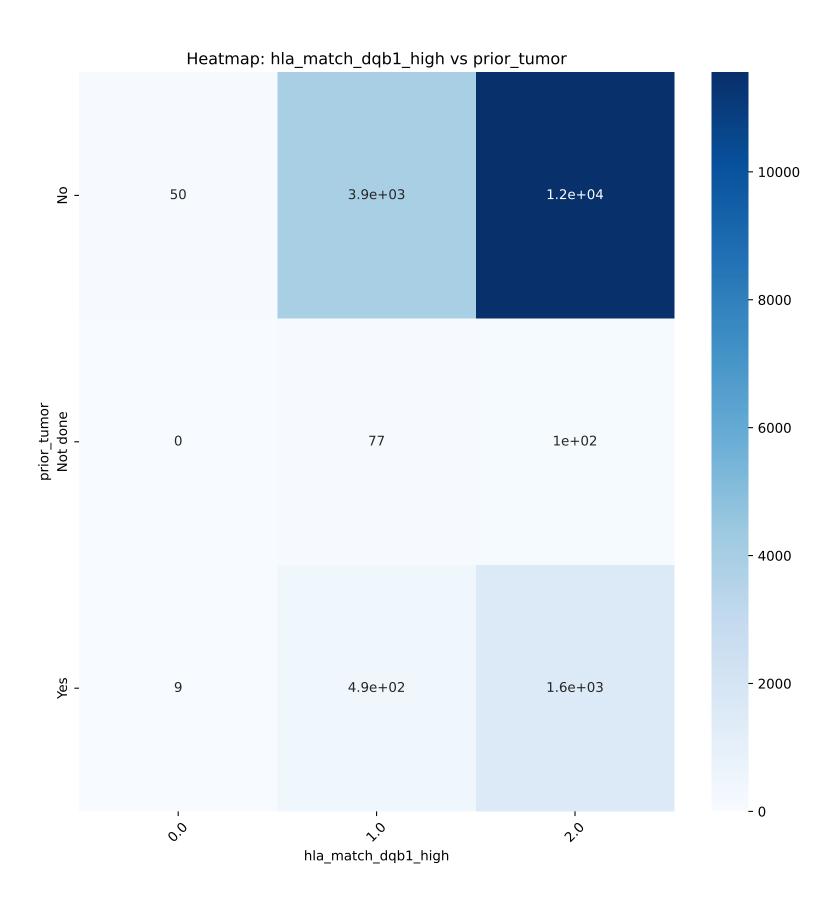


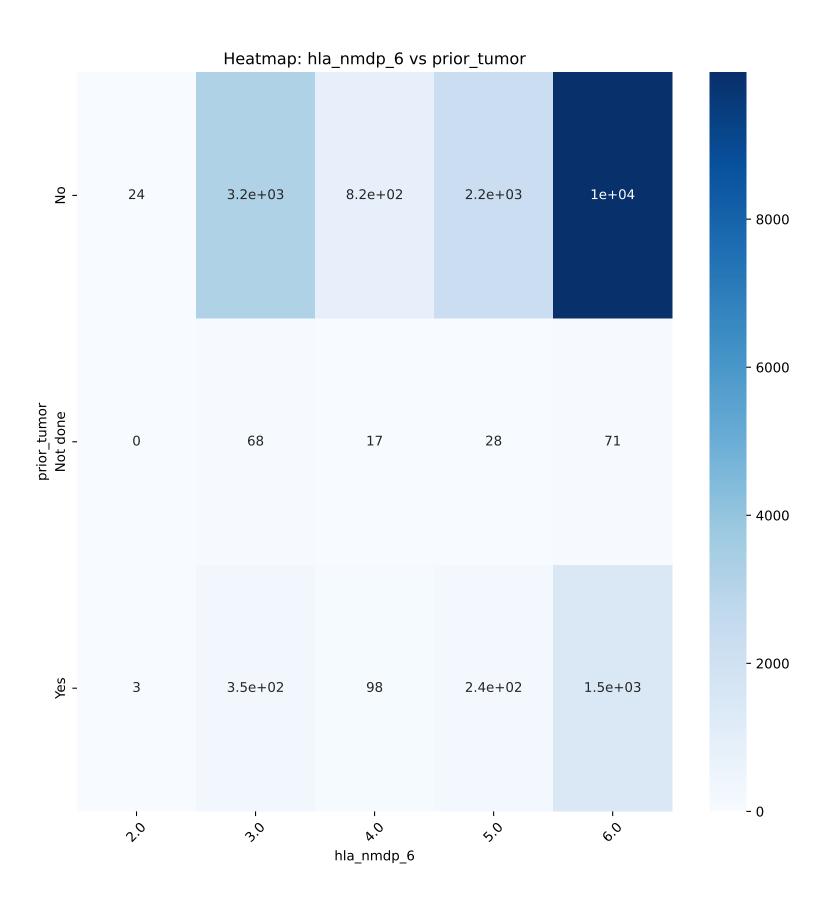
Heatmap: hla\_high\_res\_8 vs prior\_tumor - 8000 ဍိ -2 18 2.5e+03 1.1e+03 9.5e+02 1.6e+03 9e+03 - 7000 6000 - 5000 prior\_tumor Not done ' 0 1 59 54 16 12 26 - 4000 - 3000 - 2000 Yes -2.7e+02 4 1.5e+02 1.2e+02 1.8e+02 1.3e+03 - 1000 - 0 v,o 10 60 hla\_high\_res\_8

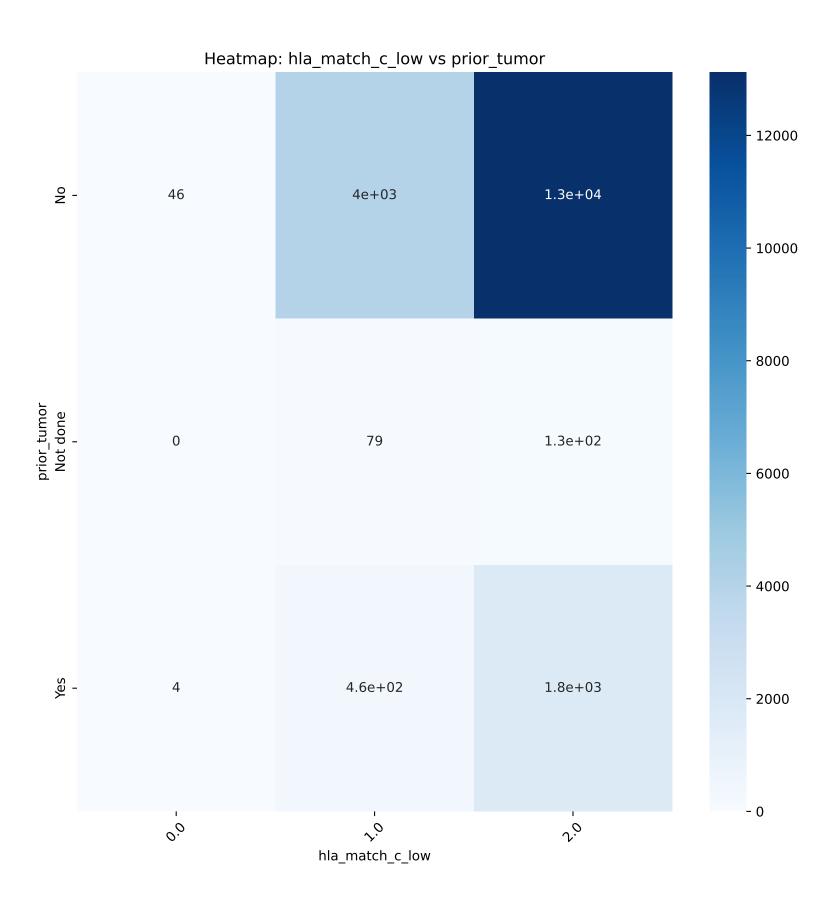


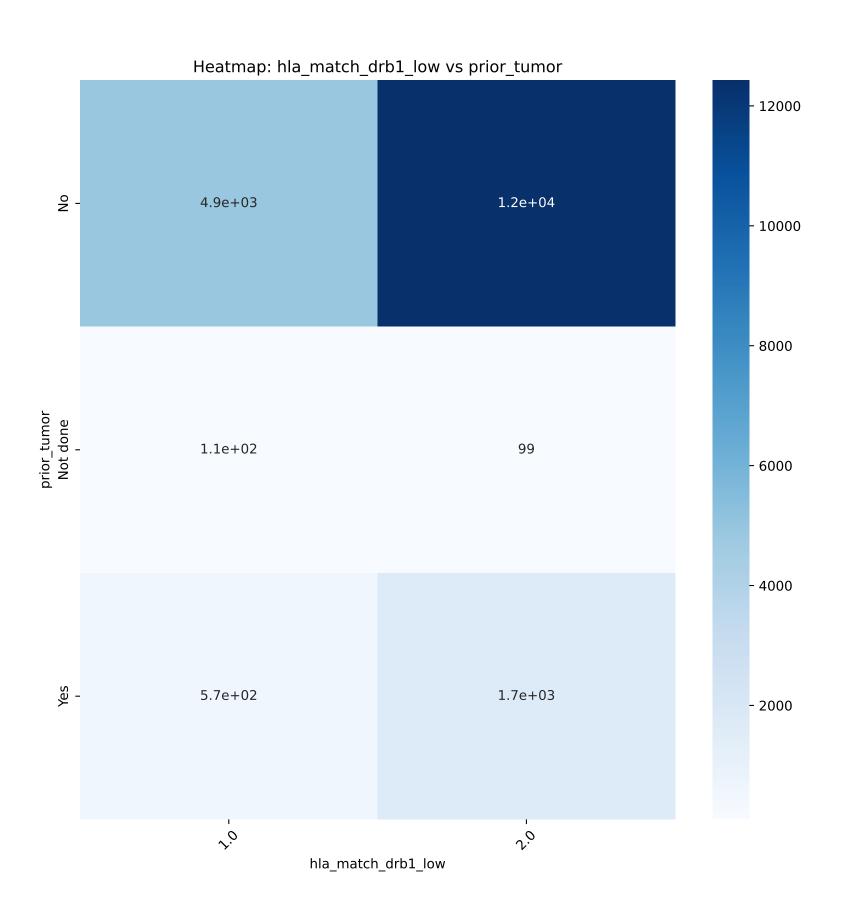


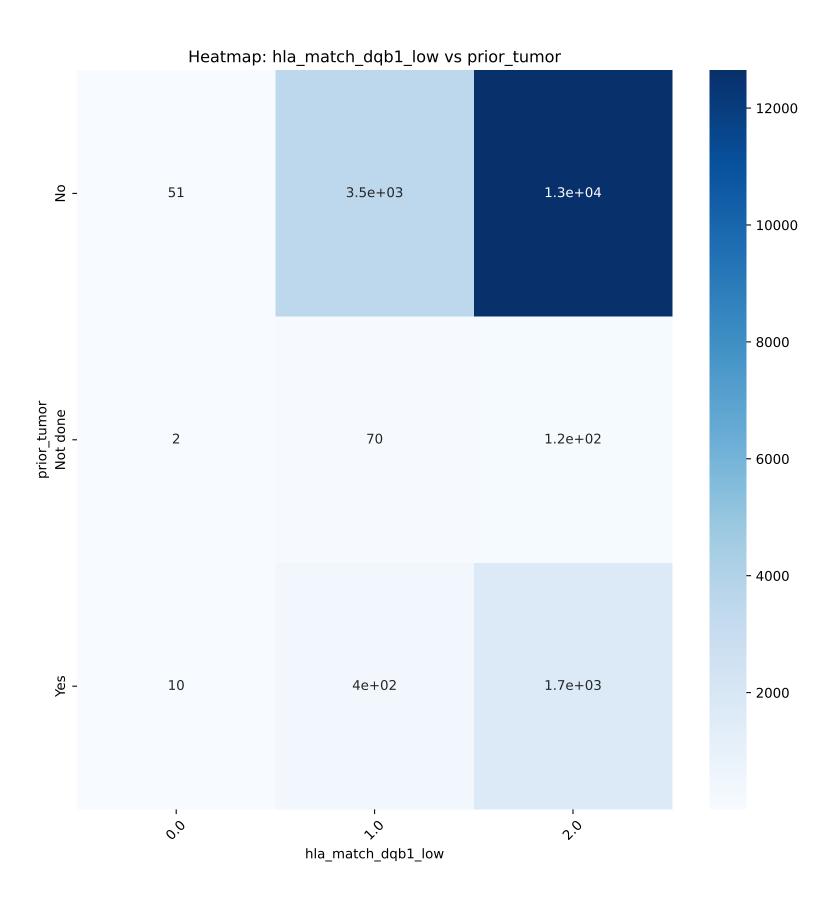
Heatmap: hla\_high\_res\_10 vs prior\_tumor 8000 - 7000 ှ -1 15 2.1e+03 8.7e+02 7.9e+02 8e+02 1.6e+03 8.1e+03 - 6000 - 5000 prior\_tumor Not done ' 13 0 1 45 8 12 26 47 - 4000 - 3000 - 2000 Yes -2 2.2e+02 1.3e+02 91 1.2e+02 1.8e+02 1.2e+03 - 1000 - 0 \$. -°. ф. О 10 hla\_high\_res\_10

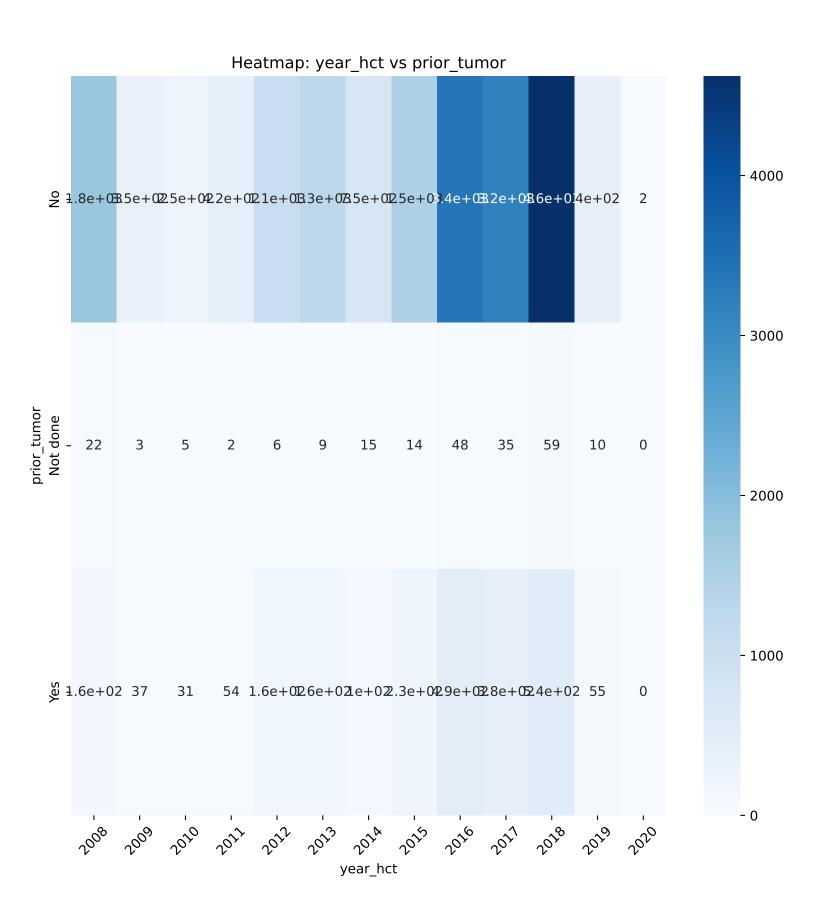


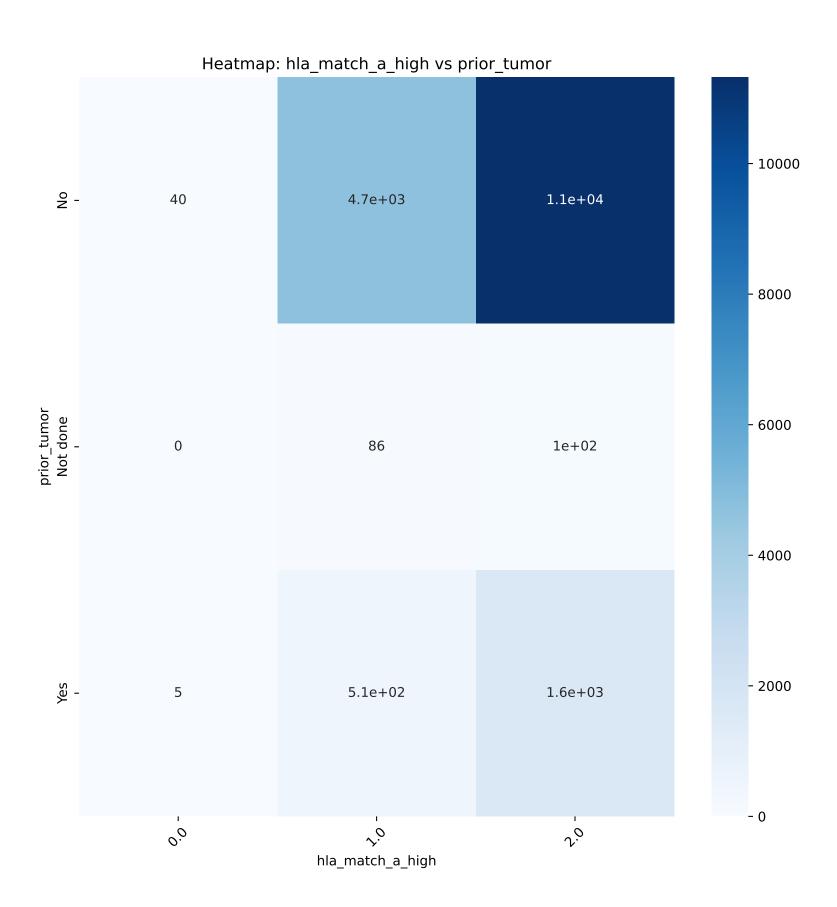


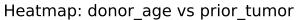


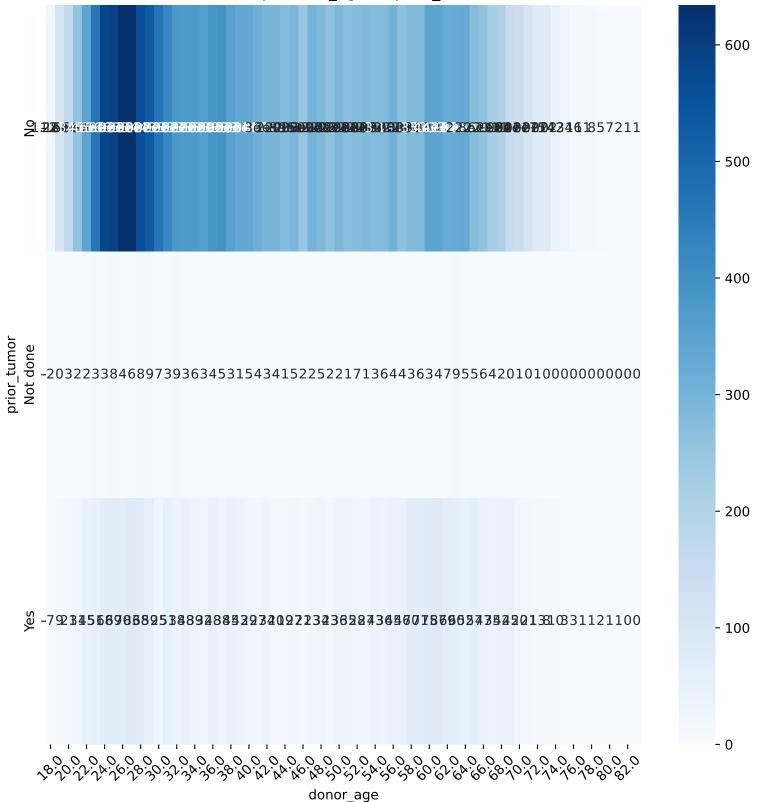


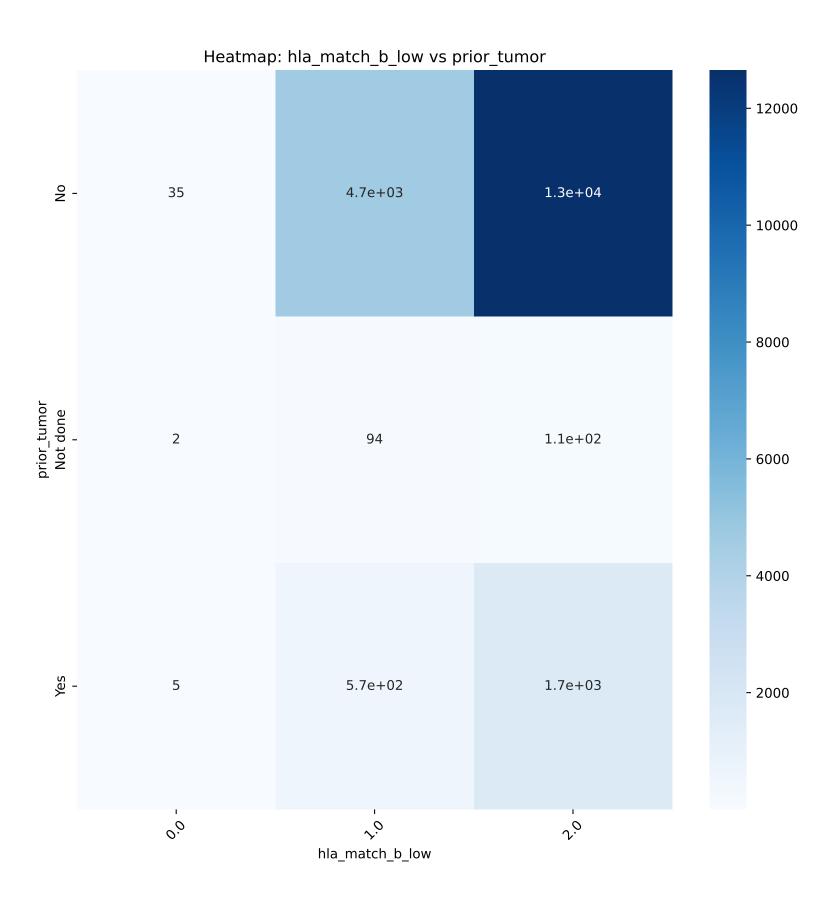




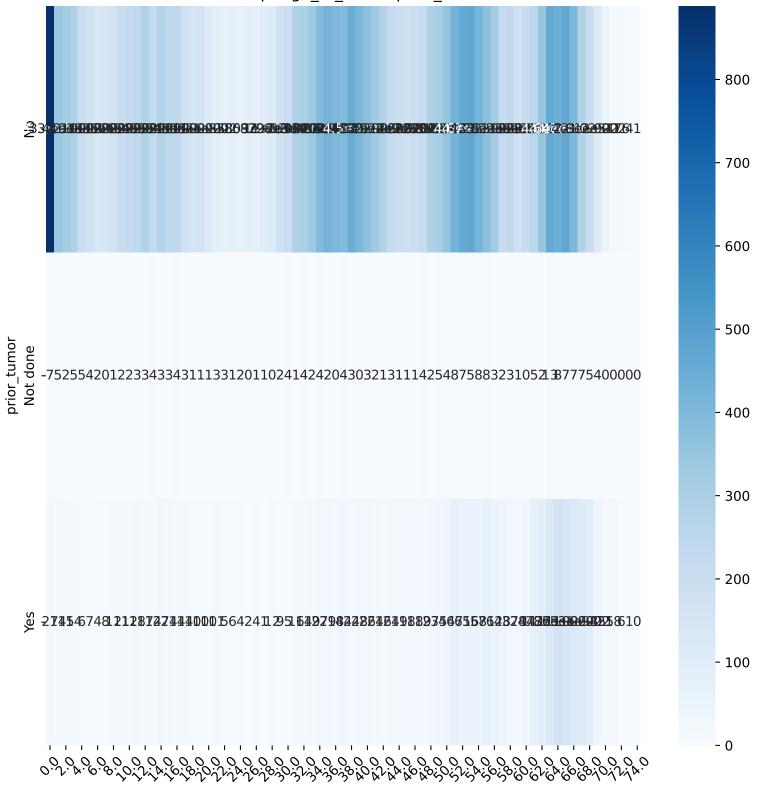


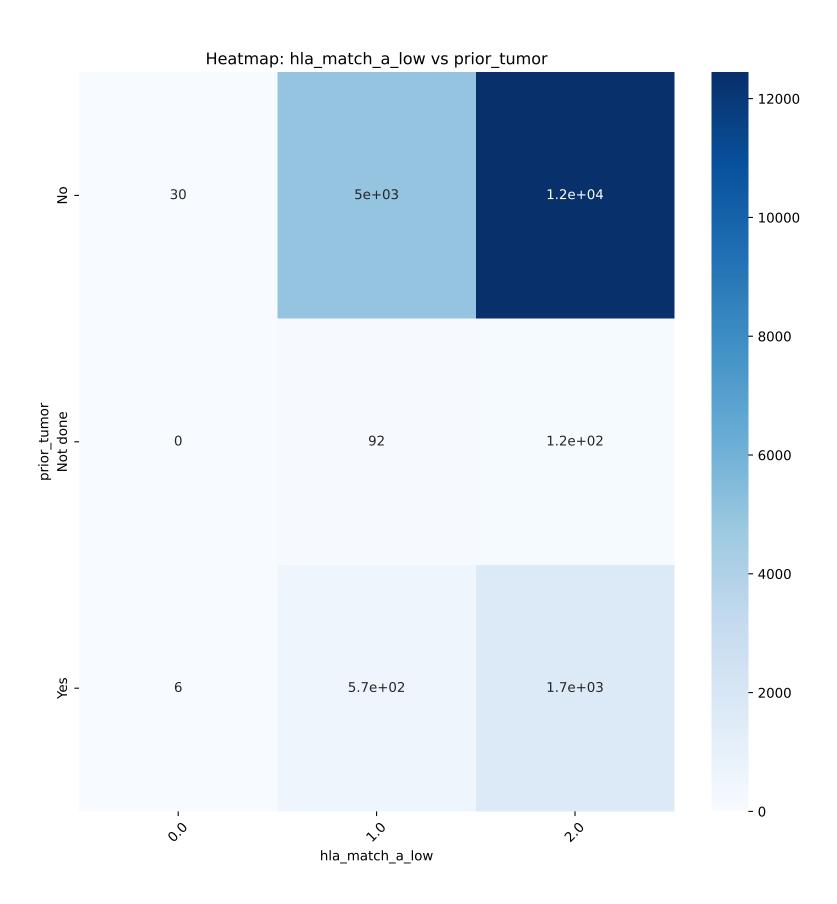


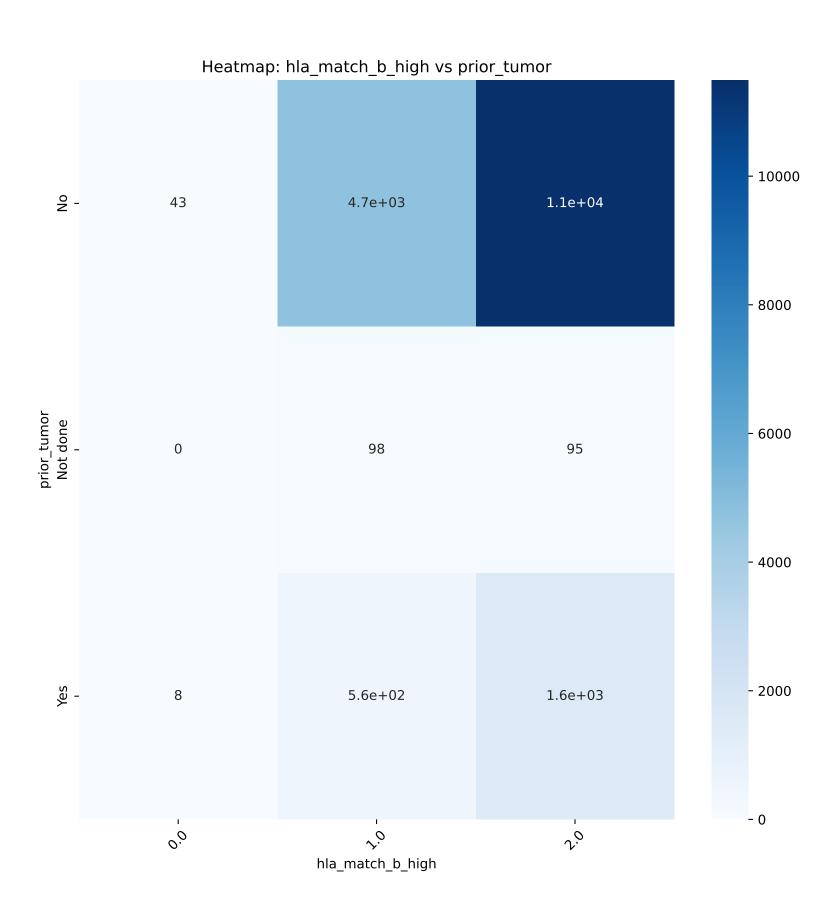




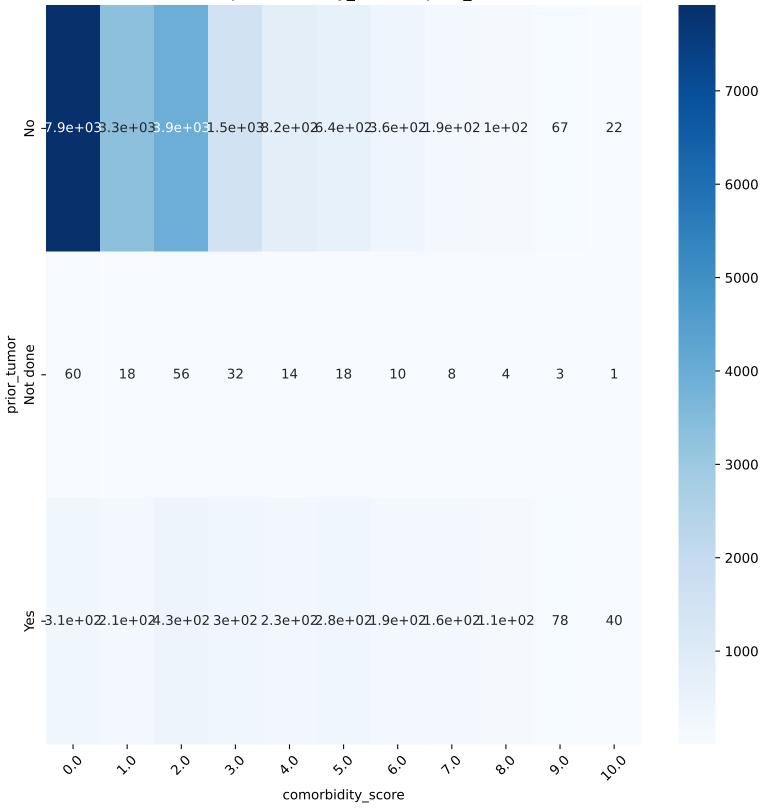
## Heatmap: age\_at\_hct vs prior\_tumor

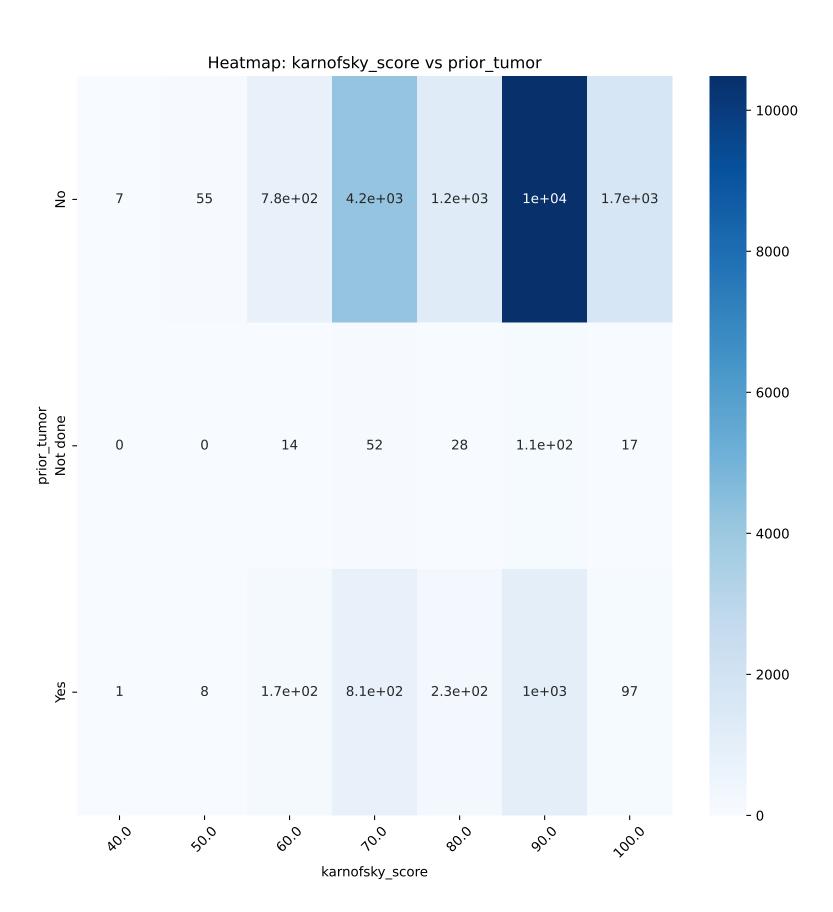




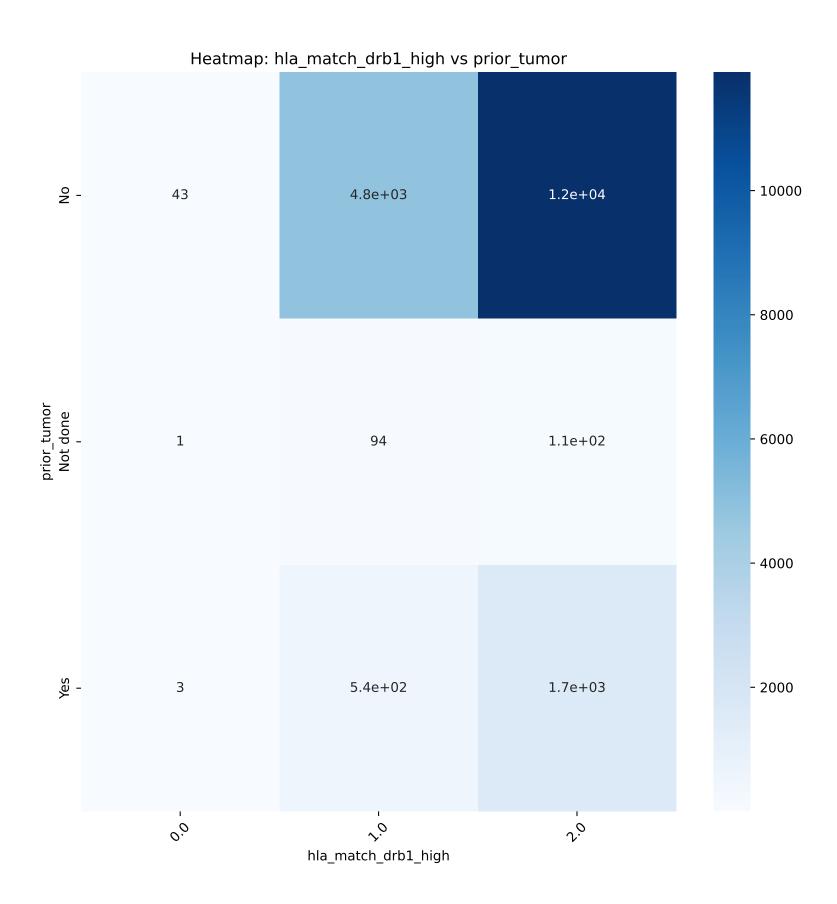




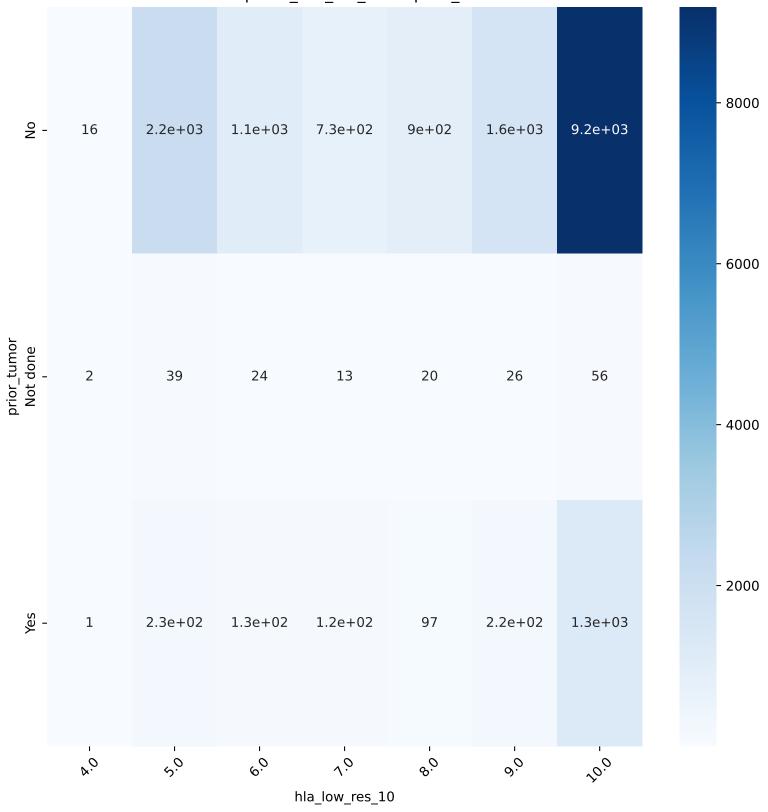


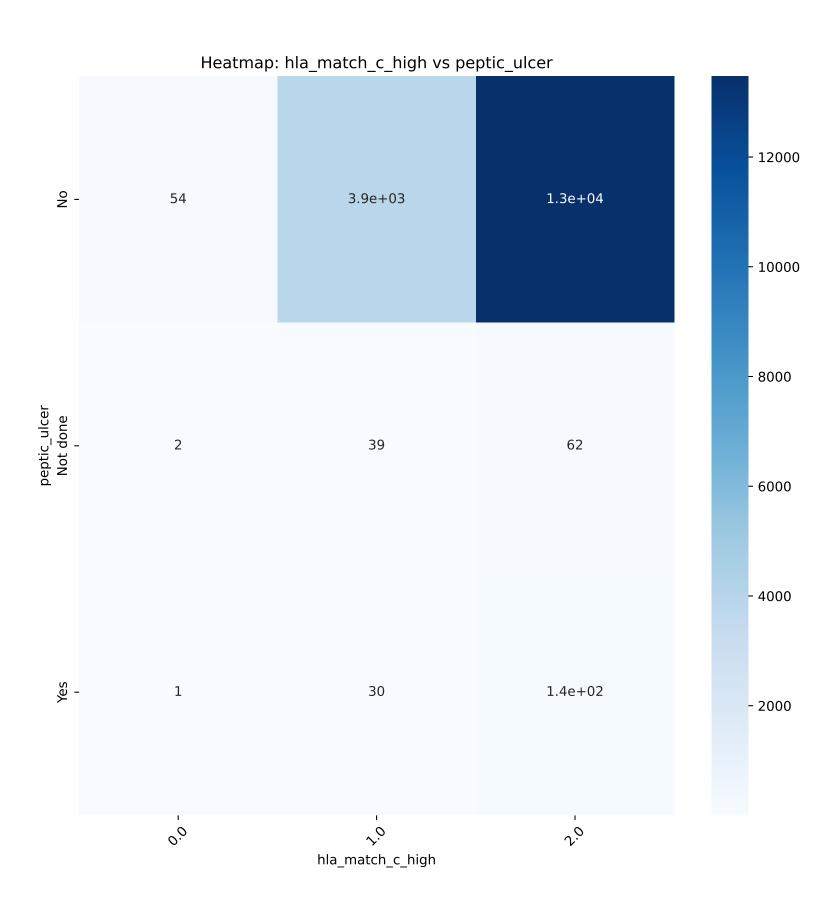


Heatmap: hla\_low\_res\_8 vs prior\_tumor 10000 ဍိ -1 14 2.8e+03 1e+03 9.5e+02 1.7e+03 1e+04 8000 6000 prior\_tumor Not done ' 0 0 59 71 19 20 24 - 4000 - 2000 Yes -1 3.1e+02 1.5e+02 1.2e+02 2.2e+02 1.4e+03 - 0 Þ. 0 10 60 hla\_low\_res\_8



Heatmap: hla\_low\_res\_10 vs prior\_tumor

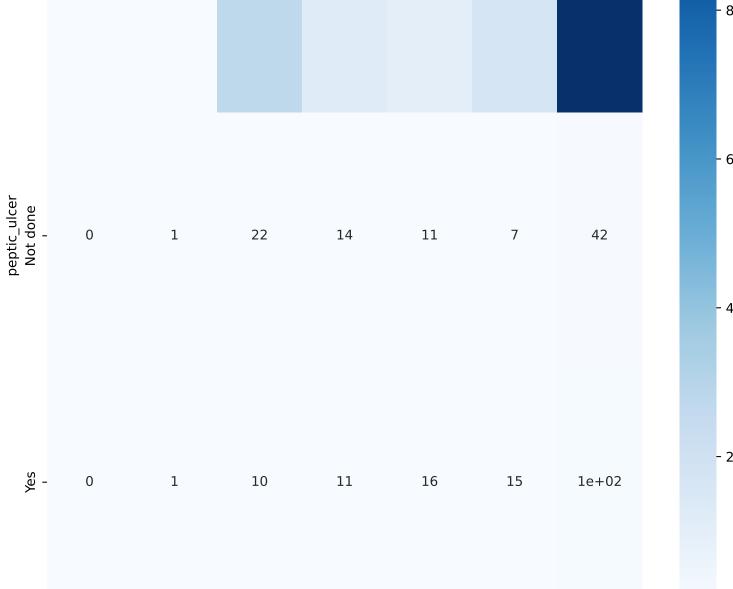


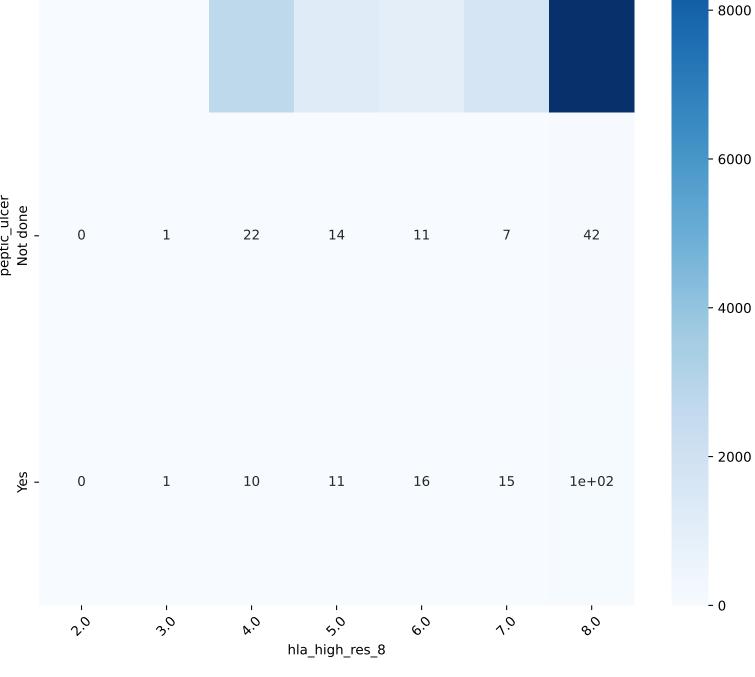


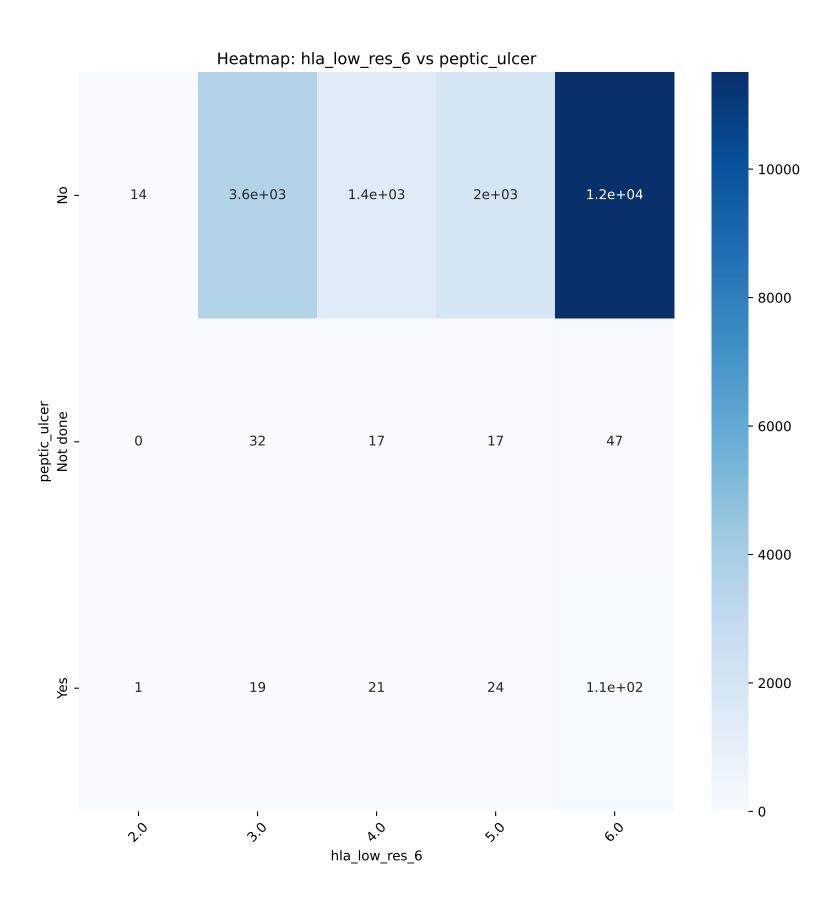
Heatmap: hla\_high\_res\_8 vs peptic\_ulcer 2.8e+03 22 1.2e+03 1e+03 1.7e+03 9.9e+03

ဍိ -

2



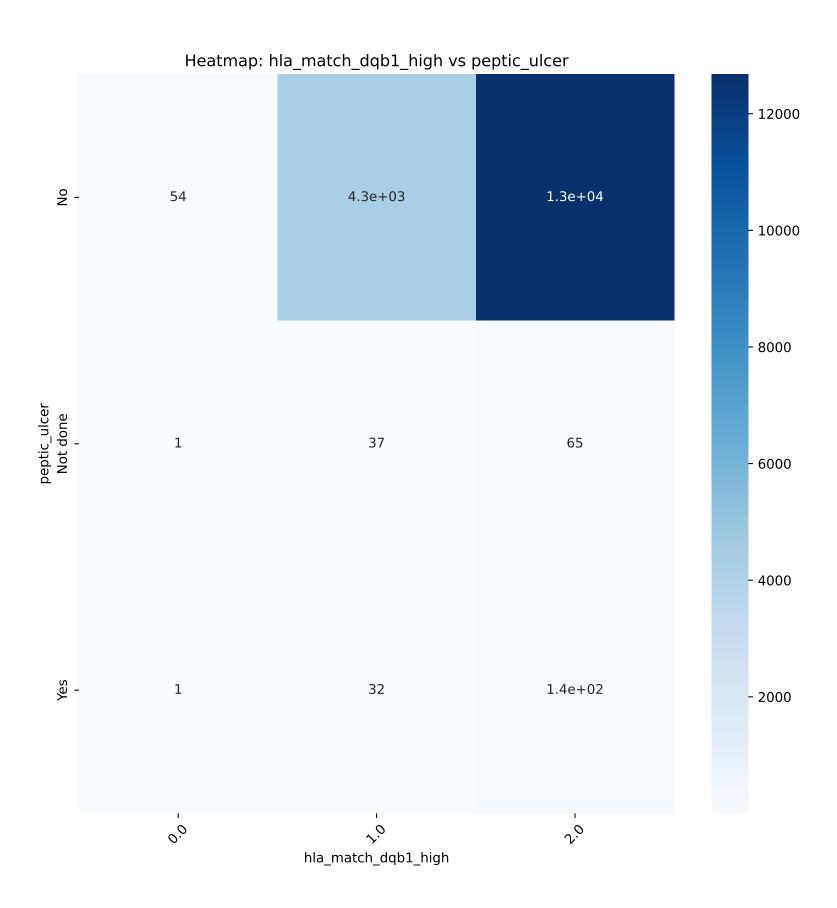


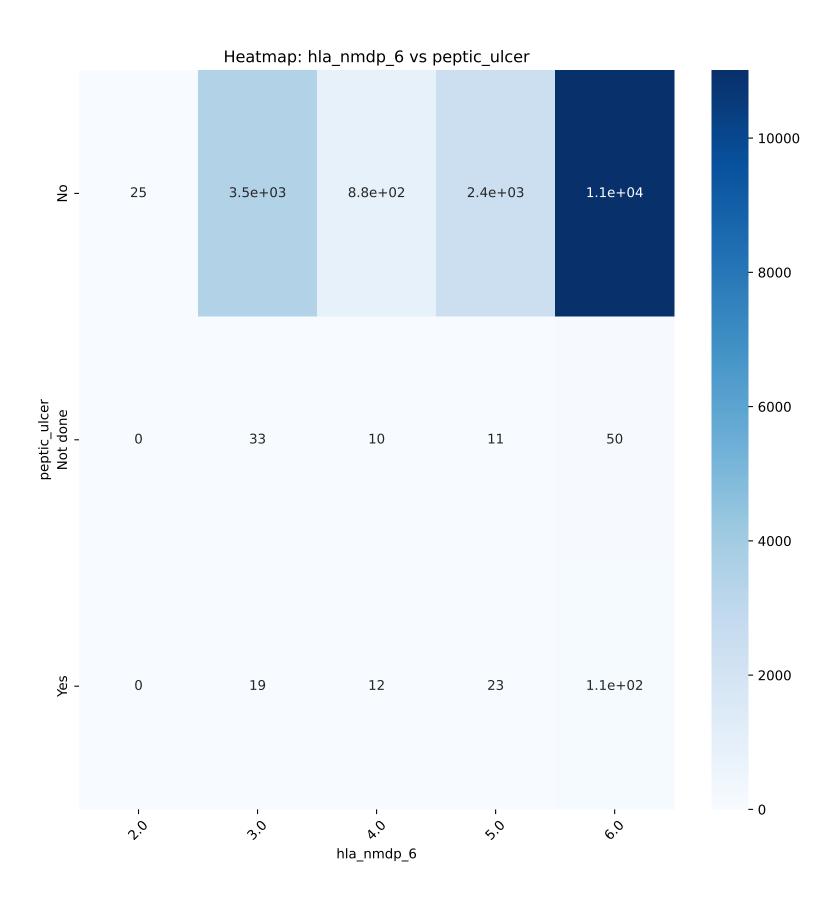


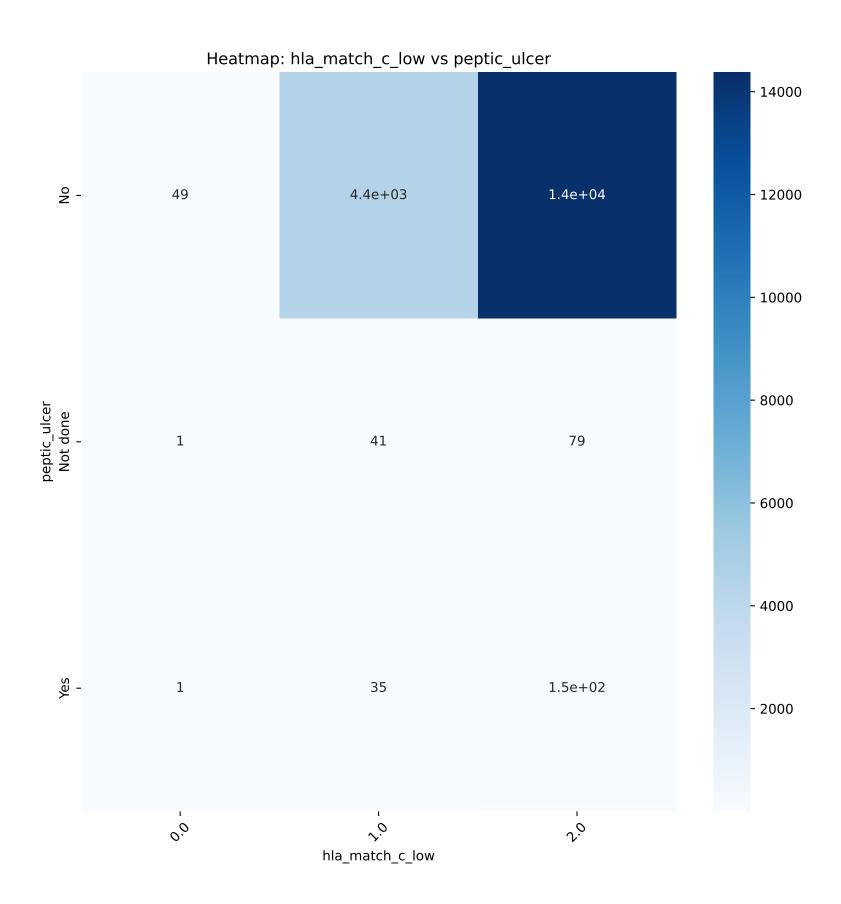
Heatmap: hla\_high\_res\_6 vs peptic\_ulcer 10000 ဍိ -1 33 3.3e+03 1.5e+03 1.9e+03 1e+04 - 8000 6000 peptic\_ulcer Not done ' 0 0 29 46 14 14 - 4000 - 2000 Yes -0 1 14 19 1.1e+02 24 - 0 hla\_high\_res\_6

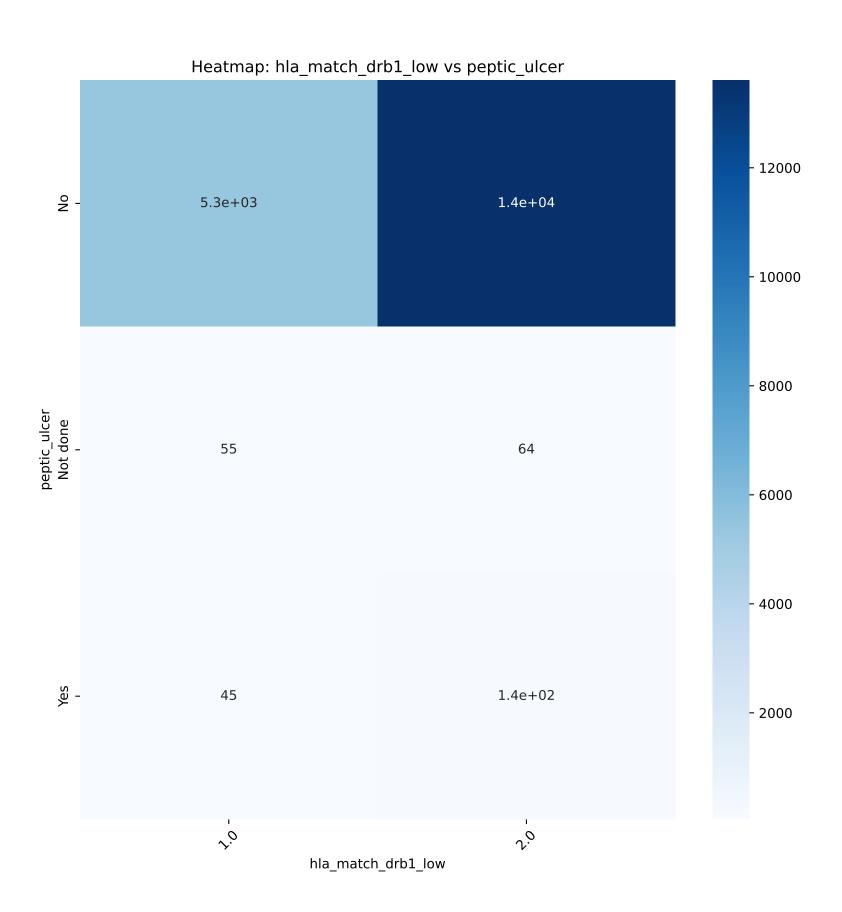
Heatmap: hla\_high\_res\_10 vs peptic\_ulcer - 8000 ဍိ -1 17 2.3e+03 9.6e+02 8.4e+02 8.9e+02 1.7e+03 9e+03 - 7000 6000 - 5000 peptic\_ulcer Not done ' 17 11 9 8 36 0 1 4 - 4000 - 3000 - 2000 Yes -1 11 15 12 8 4 97 - 1000 - 0 10 8.0 \$. -0 °.

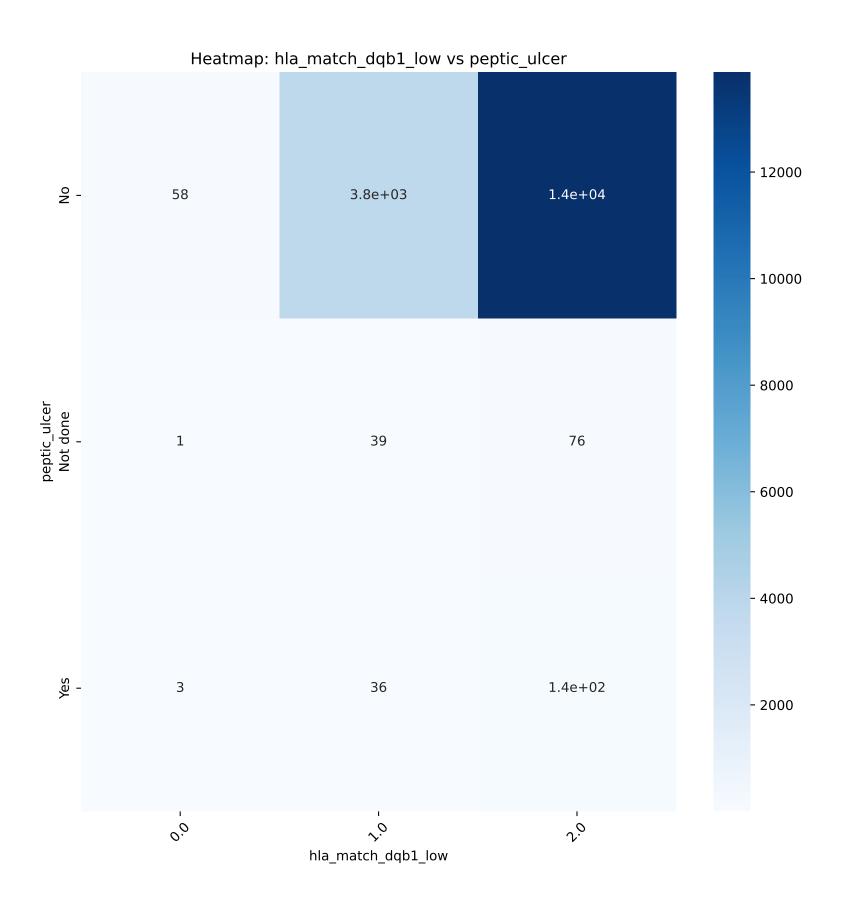
hla\_high\_res\_10

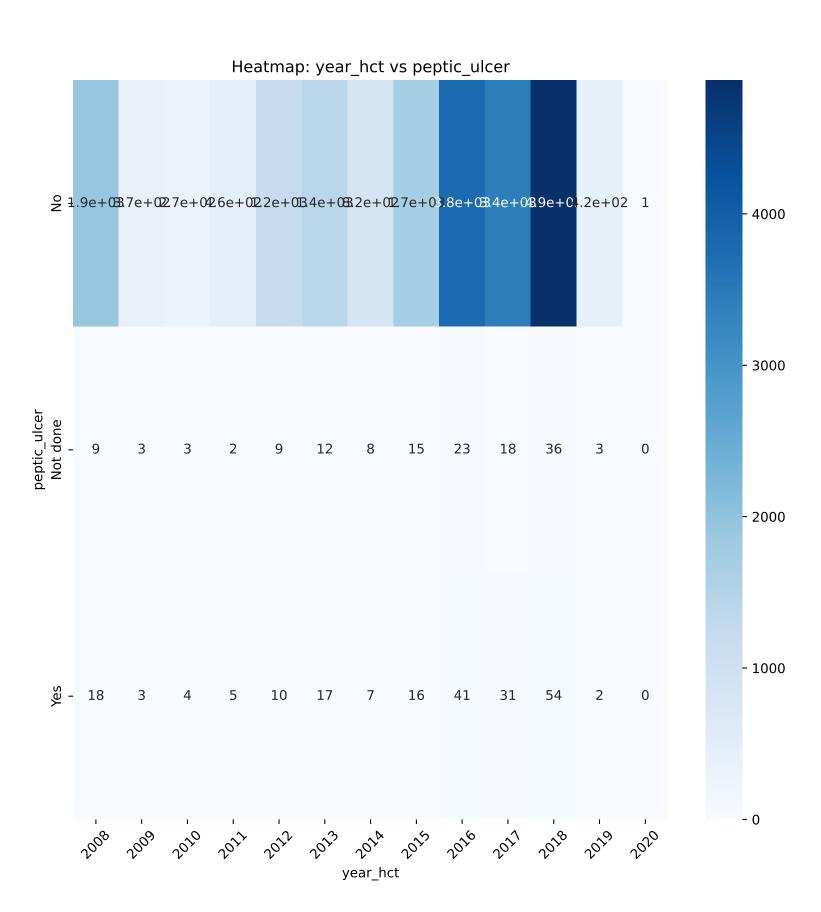


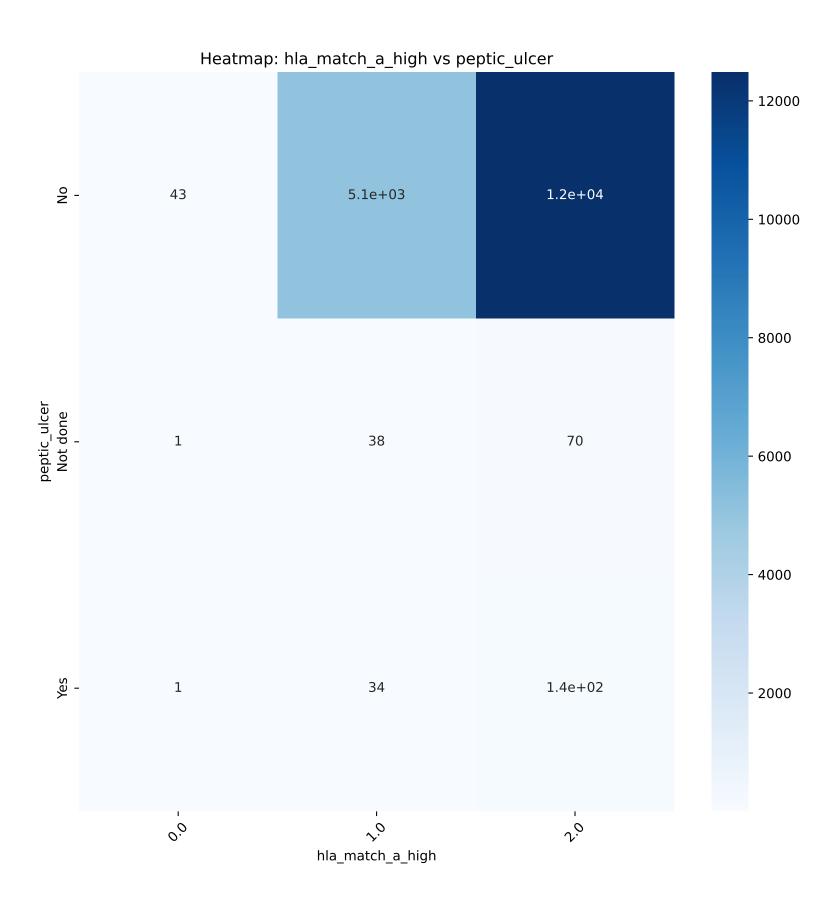


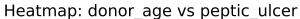


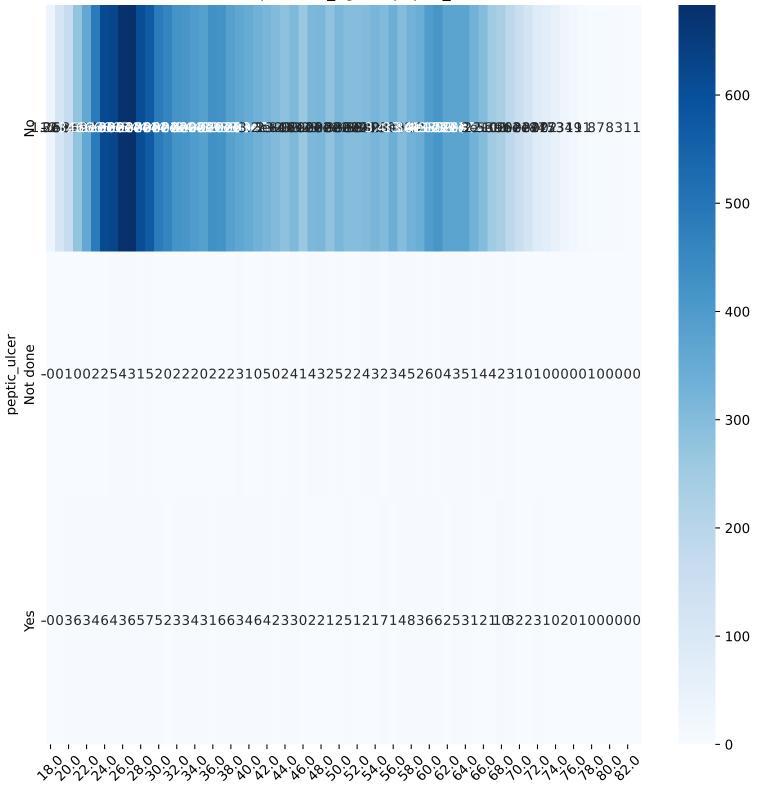




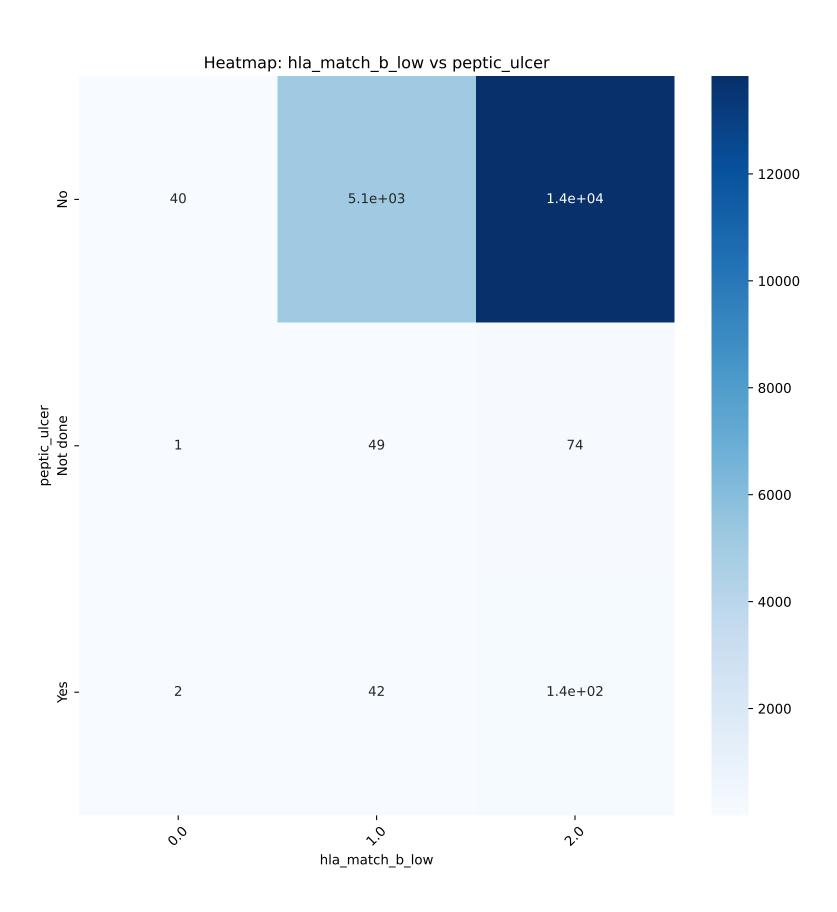




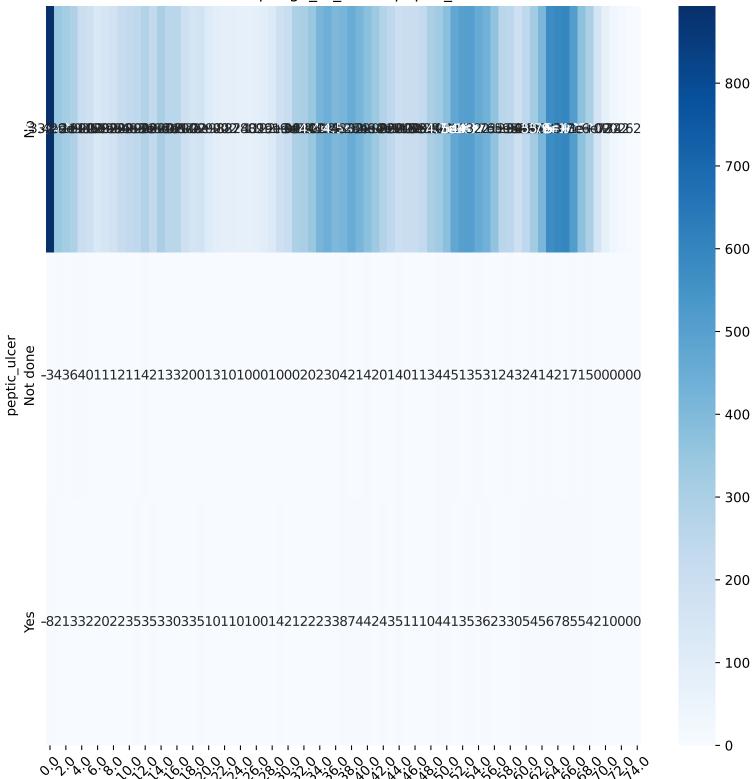


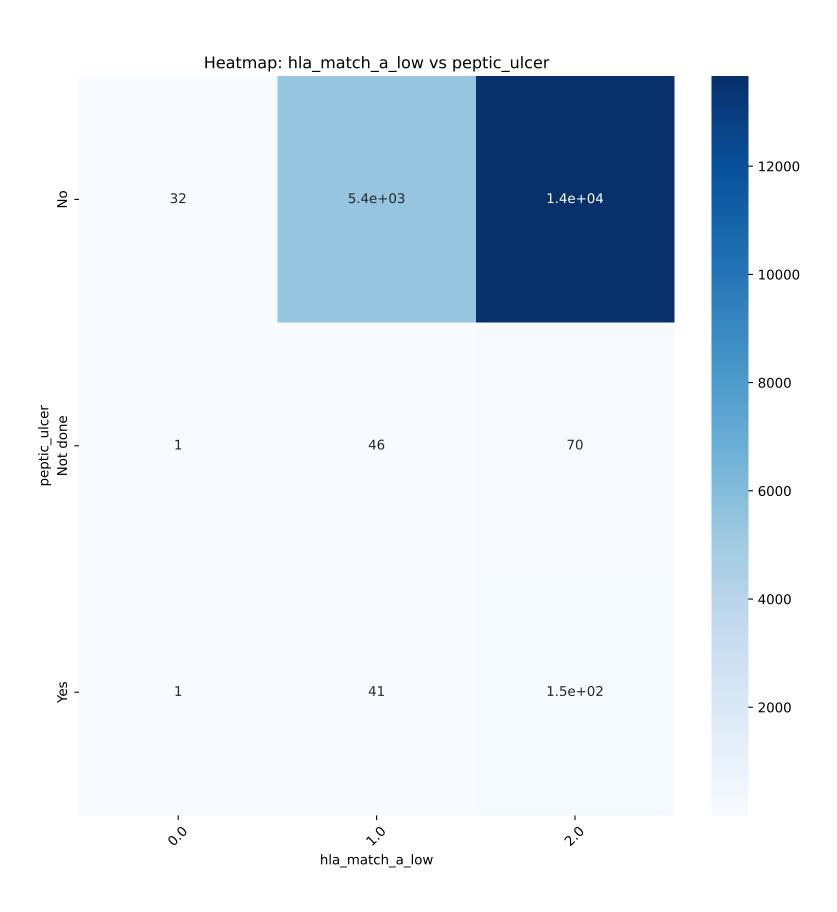


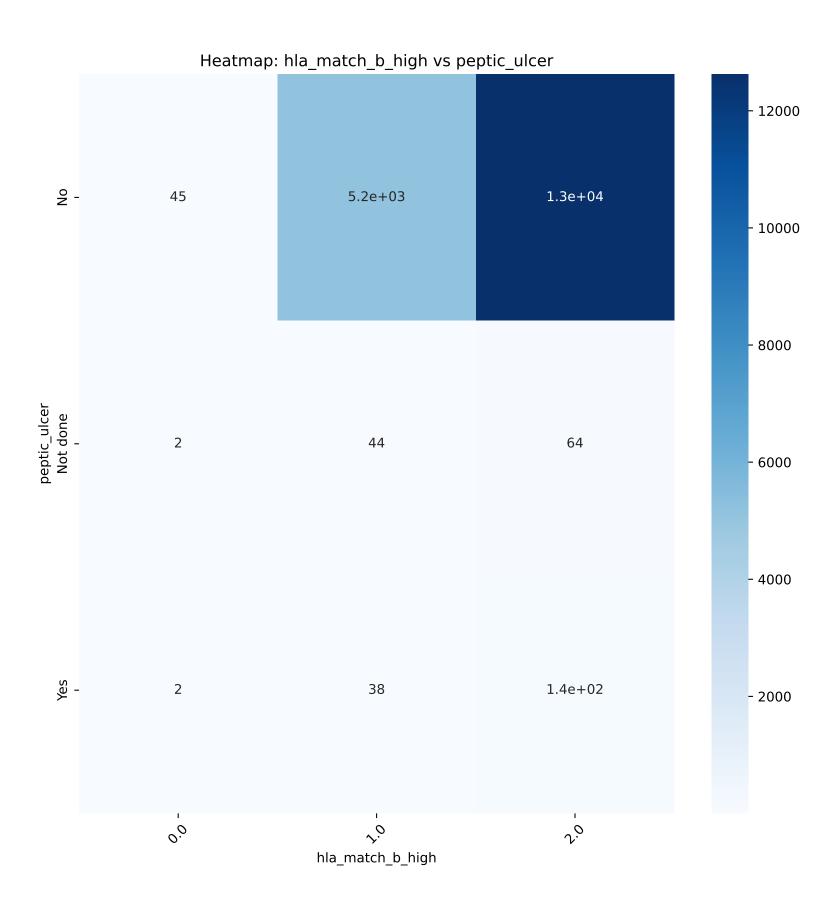
donor\_age



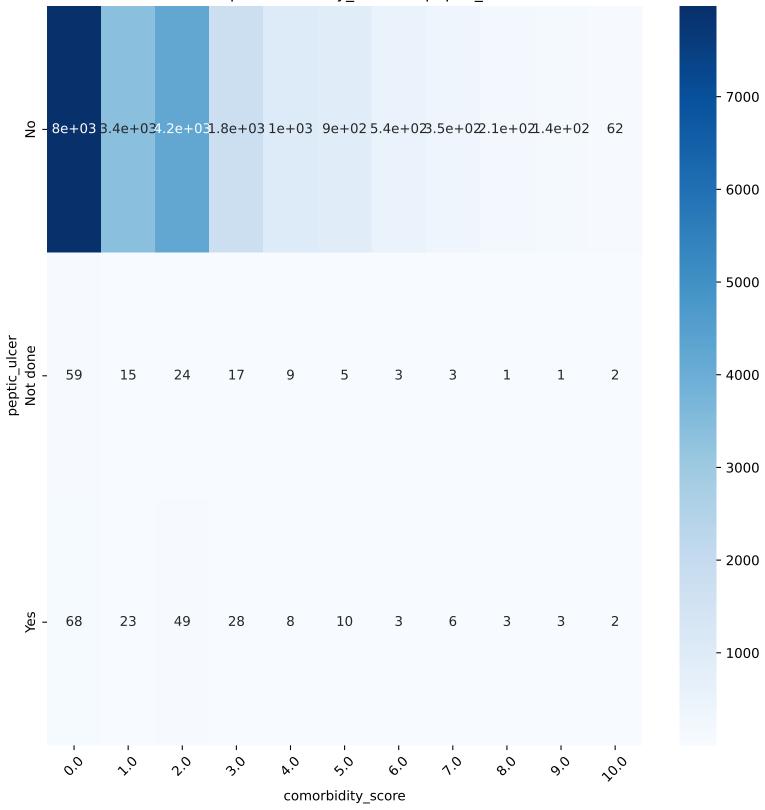
#### Heatmap: age\_at\_hct vs peptic\_ulcer

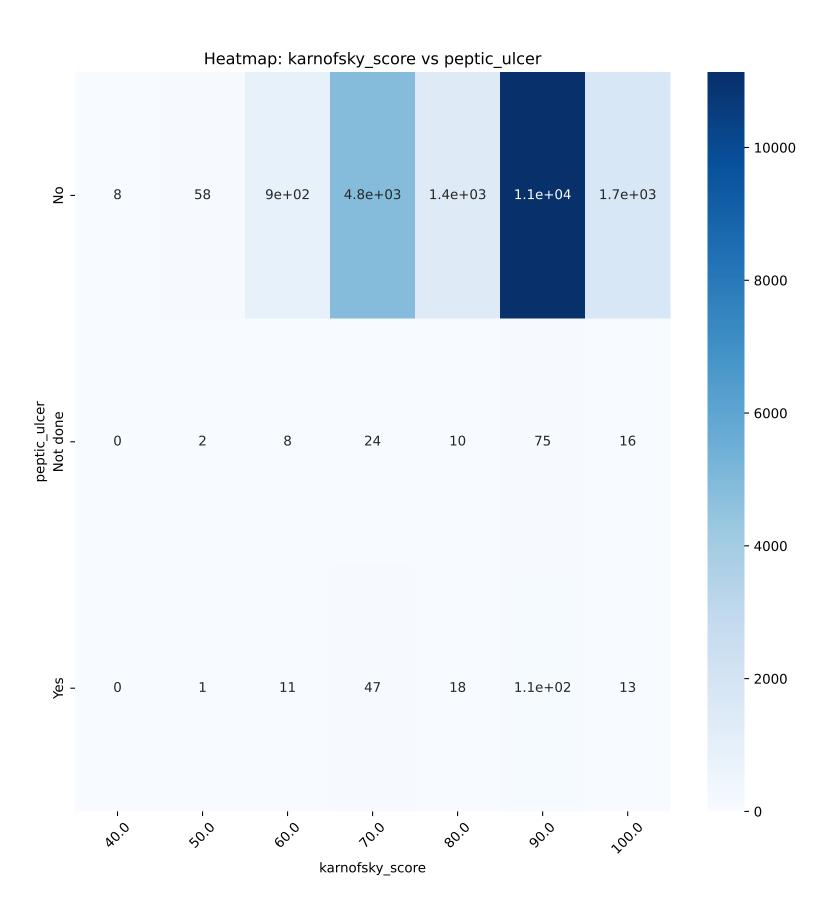






Heatmap: comorbidity\_score vs peptic\_ulcer





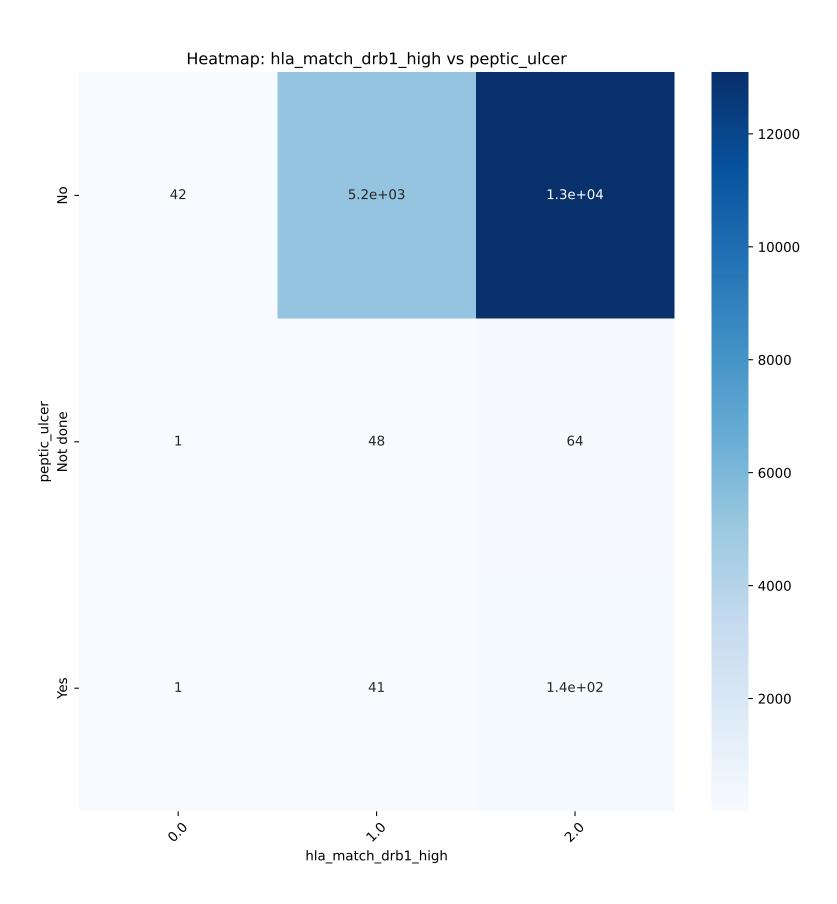
Heatmap: hla\_low\_res\_8 vs peptic\_ulcer - 10000 ဍိ -1 15 3.1e+03 1.1e+03 1e+03 1.9e+03 1.1e+04 - 8000 peptic\_ulcer Not done ' 6000 0 0 26 15 11 15 44 - 4000 - 2000 Yes -0 0 18 19 1.1e+02 13 16 - 0

·. 0

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hla\_low\_res\_8

10



Heatmap: hla\_low\_res\_10 vs peptic\_ulcer 10000 ဍိ -20 2.3e+03 1.1e+03 8.2e+02 9.7e+02 1.8e+03 1e+04 8000 6000 peptic\_ulcer Not done ' 0 20 8 37 11 14 14 - 4000 - 2000 Yes -0 17 10 7 20 17 98 - 0 °. 10 90 80 hla\_low\_res\_10

## Heatmap: hla\_match\_c\_high vs gvhd\_proph

Dselect +- other -	0	8	28	5000
CDselect alone -	1	37	1.4e+02	- 6000
+- others(not FK) -	6	1.5e+02	1.4e+03	
iers(not MMF,FK) -	1	10	1.4e+02	- 5000
not FK,MMF,MTX) -	0	5	11	
CSA alone -	0	22	1.2e+02	
iamide +- others -	7	9.8e+02	7.6e+02	- 4000
osphamide alone -	9	2.4e+03	1.4e+03	
+ MMF +- others -	11	3.6e+02	6.4e+03	2000
others(not MMF) -	15	1.8e+02	2.7e+03	- 3000
rs(not MMF,MTX) -	0	0	1	
FKalone -	4	76	7e+02	- 2000
ivHD Prophylaxis -	1	25	1.2e+02	
VHD Prophylaxis -	3	75	3e+02	
es, but no agent -	0	1	31	- 1000
LETION +- other -	3	68	2.9e+02	
DEPLETION alone -	1	35	2.9e+02	0
	0.0	ر hla_match_c_high	2.0	- 0

Heatmap: hla	_high_res	_8 vs gvhd <sub>_</sub>	_proph
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CDselect alone - 0 0 16 17 18 21 97  others(not FK) - 0 3 66 76 95 1.9e+02 1e+03				_		<del></del> -				
CDselect alone	Dselect +- other -	0	0	5	4	3	5	16	- 5000	
rers(not MMF,FK) - 0 0 0 4 4 7 7 27 96  rers(not MMF,MTX) - 0 0 0 3 2 3 1 7  CSA alone - 0 0 18 10 14 12 80  amide +- others - 0 6 7.1e+02 2.9e+02 1.7e+02 1.6e+02 3.2e+02  asphamide alone - 0 13 1.9e+03 5.2e+02 3.3e+02 5e+02  + MMF +- others - 0 4 1.3e+02 1.8e+02 2.6e+02 6.1e+02 5.3e+03  others(not MMF) - 0 0 69 1e+02 1.2e+02 2.7e+02 2.2e+03  rs(not MMF,MTX) - 0 0 0 0 0 0 1  FKalone - 2 0 38 39 60 97 5.1e+02  vHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  vHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	CDselect alone -	0	0	16	17	18	21	97		
CSA alone - 0 0 18 10 14 12 80  amide +- others - 0 6 7.1e+02 2.9e+02 1.7e+02 1.6e+02 3.2e+02  asphamide alone - 0 13 1.9e+03 5.2e+02 3.3e+02 5e+02  by sphamide alone - 0 4 1.3e+02 1.8e+02 2.6e+02 6.1e+02 5.3e+03  others (not MMF) - 0 0 69 1e+02 1.2e+02 2.7e+02 2.2e+03  others (not MMF, MTX) - 0 0 0 0 0 1  FKalone - 2 0 38 39 60 97 5.1e+02  ovHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	others(not FK) -	0	3	66	76	95	1.9e+02	1e+03		
CSA alone - 0 0 18 10 14 12 80  amide +- others - 0 6 7.1e+02 2.9e+02 1.7e+02 1.6e+02 3.2e+02  psphamide alone - 0 13 1.9e+03 5.2e+02 3.3e+02 5e+02  + MMF +- others - 0 4 1.3e+02 1.8e+02 2.6e+02 6.1e+02 5.3e+03  others(not MMF) - 0 0 69 1e+02 1.2e+02 2.7e+02 2.2e+03  rs(not MMF,MTX) - 0 0 0 0 0 0 1 -2000  FKalone - 2 0 38 39 60 97 5.1e+02  vHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 10 1 0 1 27  es, but no agent - 0 0 34 22 32 47 2e+02  DEPLETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	ers(not MMF,FK) -	0	0	4	4	7	27	96		
Paramide +- others - 0 6 7.1e+02 2.9e+02 1.7e+02 1.6e+02 3.2e+02 psphamide alone - 0 13 1.9e+03 5.2e+02 3.3e+02 3.3e+02 5e+02 + MMF +- others - 0 4 1.3e+02 1.8e+02 2.6e+02 6.1e+02 5.3e+03 others(not MMF) - 0 0 69 1e+02 1.2e+02 2.7e+02 2.2e+03 rs(not MMF,MTX) - 0 0 0 0 0 0 1 - 2000 FKalone - 2 0 38 39 60 97 5.1e+02 vHD Prophylaxis - 0 0 10 12 14 15 80 vHD Prophylaxis - 0 0 41 37 32 53 1.9e+02 es, but no agent - 0 0 0 1 0 1 27 1000 es, but no agent - 0 0 34 22 32 47 2e+02 pspLETION +- other - 0 0 16 17 20 46 2e+02 pspLETION alone - 0 0 16 17 20 46 2e+02 pspLETIO	not FK,MMF,MTX) -	0	0	3	2	3	1	7	- 4000	
13   1.9e+03   5.2e+02   3.3e+02   5.2e+02   5.3e+03   7.3000	CSA alone -	0	0	18	10	14	12	80		
# MMF +- others - 0	amide +- others -	0	6	7.1e+02	2.9e+02	1.7e+02	1.6e+02	3.2e+02		
others(not MMF) - 0 0 69 1e+02 1.2e+02 2.7e+02 2.2e+03  rs(not MMF,MTX) - 0 0 0 0 0 0 1  FKalone - 2 0 38 39 60 97 5.1e+02  vHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 0 1 0 1 27  LETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02  - 0	osphamide alone -	0	13	1.9e+03	5.2e+02	3.3e+02	3.3e+02	5e+02	- 3000	
rs(not MMF,MTX) - 0 0 0 0 0 0 0 1 - 2000  FKalone - 2 0 38 39 60 97 5.1e+02  vHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 0 1 0 1 27  PLETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	+ MMF +- others -	0	4	1.3e+02	1.8e+02	2.6e+02	6.1e+02	5.3e+03		
FKalone - 2 0 38 39 60 97 5.1e+02  vHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 0 1 0 1 27  PLETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	others(not MMF) -	0	0	69	1e+02	1.2e+02	2.7e+02	2.2e+03		
VHD Prophylaxis - 0 0 10 12 14 15 80  VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02  es, but no agent - 0 0 0 1 0 1 27  PLETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02	rs(not MMF,MTX) -	0	0	0	0	0	0	1	- 2000	
VHD Prophylaxis - 0 0 41 37 32 53 1.9e+02 - 1000  res, but no agent - 0 0 0 1 0 1 27  PLETION +- other - 0 0 34 22 32 47 2e+02  PEPLETION alone - 0 0 16 17 20 46 2e+02  - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FKalone -	2	0	38	39	60	97	5.1e+02		
PLETION +- other - 0 0 0 16 17 20 46 2e+02  PEPLETION alone - 0 0 16 17 20 46 2e+02	vHD Prophylaxis -	0	0	10	12	14	15	80		
PLETION +- other - 0 0 34 22 32 47 2e+02  DEPLETION alone - 0 0 16 17 20 46 2e+02  Output	VHD Prophylaxis -	0	0	41	37	32	53	1.9e+02	- 1000	
DEPLETION alone - 0 0 16 17 20 46 2e+02 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	es, but no agent -	0	0	0	1	0	1	27		
2º 3º 8º 6º 1º 8º	PLETION +- other -	0	0	34	22	32	47	2e+02		
2° 3° 6° 6° 1° 8°	DEPLETION alone -	0	0	16	17	20	46	2e+02		
		2.0	3.0				10	8.0	U	

Heatmap: hla\_low\_res\_6 vs gvhd\_proph 6000 Dselect +- other -0 7 5 20 CDselect alone -21 22 25 1.2e+02 -- others(not FK) -1e+02 1.2e+02 2.4e+02 1.2e+03 1 5000 ers(not MMF,FK) -1.1e + 021 5 10 27 not FK,MMF,MTX) -0 3 5 2 8 CSA alone -28 14 94 0 19 4000 amide +- others -8.9e+02 3.1e+02 2.3e+02 3.7e+02 3 sphamide alone -5.4e+02 6 2.3e + 034.3e+02 6.6e+02 + MMF +- others -2.2e+02 6e+03 0 2.7e+02 6.5e+02 3000 others(not MMF) -2.7e+02 80 1.5e + 022.5e+03 1 rs(not MMF,MTX) -0 0 0 0 1 - 2000 FKalone -6.1e+02 79 2 77 1.2e+02 vHD Prophylaxis -1e+02 16 22 0 17 VHD Prophylaxis -2.3e+02 1 64 29 73 - 1000 es, but no agent -33 0 3 0 2 LETION +- other -55 38 59 2.3e+02 2 DEPLETION alone -32 26 2.4e+02 47 - 0

 $^{\circ}_{\mbox{\scriptsize k}^{\circ}}$  hla\_low\_res\_6

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Н	eatmap: hla_	high_res_	_6 vs gvhd_	_proph	

Dselect +- other -	0	0	7	4	6	16	
CDselect alone -	0	0	24	23	27	1e+02	- 5000
۱- others(not FK) -	0	3	1e+02	1e+02	2.2e+02	1.1e+03	
ıers(not MMF,FK) -	0	0	7	8	29	1e+02	
not FK,MMF,MTX) -	0	0	3	5	1	7	- 4000
CSA alone -	0	1	26	15	15	82	
ıamide +- others -	0	5	8.5e+02	2.9e+02	2.1e+02	3.4e+02	
osphamide alone -	0	16	2.1e+03	5.6e+02	4e+02	5.2e+02	- 3000
+ MMF +- others -	0	8	2e+02	3.1e+02	6.6e+02	5.4e+03	
others(not MMF) -	0	2	1.1e+02	1.6e+02	2.8e+02	2.3e+03	
rs(not MMF,MTX) -	0	0	0	0	0	1	- 2000
FKalone -	1	1	62	72	1.2e+02	5.3e+02	
ivHD Prophylaxis -	0	1	14	17	19	84	
VHD Prophylaxis -	0	1	57	46	61	2e+02	- 1000
es, but no agent -	0	0	1	0	1	27	
PLETION +- other -	0	0	43	37	54	2.1e+02	
DEPLETION alone -	0	0	27	23	50	2.1e+02	0
	0.	2.0	ر hla_higl	\ h_res_6	6°.	60	- 0

Heatmap: hla_high_res_10 vs gvhd_proph	

Dselect +- other -	0	0	3	4	4	3	3	16		
CDselect alone -	0	0	13	10	13	15	20	89		
⊦- others(not FK) -	0	0	42	45	78	80	2e+02	8.8e+02		1000
ıers(not MMF,FK) -	0	0	2	3	6	8	25	75		- 4000
not FK,MMF,MTX) -	0	0	2	2	2	2	1	7		
CSA alone -	0	1	12	10	8	10	14	75		
ıamide +- others -	0	6	5.9e+02	2.5e+02	1.8e+02	1.3e+02	1.5e+02	2.7e+02	-	- 3000
osphamide alone -	0	14	1.7e+03	5e+02	3.1e+02	2.6e+02	2.9e+02	4.5e+02		
+ MMF +- others -	0	2	80	1e+02	1.5e+02	2.6e+02	6.4e+02	4.9e+03		
others(not MMF) -	0	0	28	62	79	1.1e+02	2.8e+02	1.9e+03		2000
rs(not MMF,MTX) -	0	0	0	0	0	0	0	1		- 2000
FKalone -	1	0	25	24	43	48	1e+02	4.6e+02		
ivHD Prophylaxis -	0	0	7	9	11	7	15	75		
VHD Prophylaxis -	0	0	33	27	27	29	49	1.7e+02	-	- 1000
es, but no agent -	0	0	0	0	1	0	2	26		
LETION +- other -	0	0	25	18	18	38	40	1.8e+02		
DEPLETION alone -	0	0	14	11	15	21	42	1.8e+02		0
	3.	<i>b</i> .0	50	6.0	10	8.0	9.0	20,0	_	- 0
				hla_high	_res_10					

Heatmap: hla\_match\_dqb1\_high vs gvhd\_proph

Dselect +- other -	0	9	25	- 6000
CDselect alone -	2	35	1.3e+02	
others(not FK) -	4	2.1e+02	1.3e+03	
ıers(not MMF,FK) -	1	19	1.1e+02	- 5000
not FK,MMF,MTX) -	0	5	12	
CSA alone -	1	31	1.2e+02	- 4000
ıamide +- others -	7	9.5e+02	7.4e+02	
osphamide alone -	15	2.4e+03	1.4e+03	
+ MMF +- others -	16	4.8e+02	6.1e+03	- 3000
others(not MMF) -	10	2.3e+02	2.3e+03	
rs(not MMF,MTX) -	0	0	1	
FKalone -	2	1.3e+02	6.8e+02	- 2000
ivHD Prophylaxis -	1	29	1.2e+02	
VHD Prophylaxis -	1	85	2.9e+02	
es, but no agent -	0	3	33	- 1000
LETION +- other -	1	84	2.8e+02	
DEPLETION alone -	4	65	2.7e+02	- 0
	0.0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20	- 0

Heatmap: hla_nmdp_6 vs gvhd_proph	
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Dselect +- other -	0	7	2	6	21	
CDselect alone -	0	21	15	30	1.1e+02	
⊦- others(not FK) -	3	1.2e+02	62	2.5e+02	1.1e+03	- 5000
iers(not MMF,FK) -	0	7	13	17	1.2e+02	
not FK,MMF,MTX) -	0	5	1	4	8	
CSA alone -	0	26	6	27	87	- 4000
ıamide +- others -	4	8.5e+02	2.5e+02	2.1e+02	4.2e+02	
osphamide alone -	7	2.3e+03	3.3e+02	5.6e+02	6.6e+02	2000
+ MMF +- others -	6	2.3e+02	1.5e+02	8.6e+02	5.7e+03	- 3000
others(not MMF) -	4	1.1e+02	92	2.9e+02	2.4e+03	
rs(not MMF,MTX) -	0	0	0	0	1	2000
FKalone -	3	84	24	1.4e+02	5.9e+02	- 2000
ivHD Prophylaxis -	1	21	11	24	98	
VHD Prophylaxis -	0	65	18	79	2.1e+02	1000
res, but no agent -	0	2	0	6	26	- 1000
LETION +- other -	0	61	19	74	2.1e+02	
DEPLETION alone -	1	28	11	56	2.4e+02	- 0
	2.0	3.	hla_nmdp_6	80	6.0	- <b>U</b>

## Heatmap: hla\_match\_c\_low vs gvhd\_proph

Dselect +- other -	0	6	31	
CDselect alone -	0	36	1.5e+02	
۱- others(not FK) -	4	1.7e+02	1.5e+03	- 6000
ıers(not MMF,FK) -	1	15	1.4e+02	
not FK,MMF,MTX) -	0	5	13	- 5000
CSA alone -	1	27	1.3e+02	
ıamide +- others -	6	1.1e+03	7.5e+02	4000
osphamide alone -	15	2.6e+03	1.4e+03	- 4000
+ MMF +- others -	12	4.1e+02	6.8e+03	
others(not MMF) -	10	2.1e+02	2.8e+03	- 3000
rs(not MMF,MTX) -	0	0	1	
FKalone -	1	1.1e+02	8e+02	2000
ivHD Prophylaxis -	1	24	1.4e+02	- 2000
VHD Prophylaxis -	5	80	3.3e+02	
res, but no agent -	0	2	40	- 1000
LETION +- other -	2	66	3.3e+02	
DEPLETION alone -	2	50	3.2e+02	- 0
	0.0	ر hla_match_c_low	2.0	- 0

Heatmap: hla_match_drb1_low vs gvhd_proph	i arbi iow vs gyna proph
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Dselect +- other -	13	24	
CDselect alone -	50	1.4e+02	6000
۱- others(not FK) -	3.2e+02	1.4e+03	- 6000
iers(not MMF,FK) -	31	1.3e+02	
not FK,MMF,MTX) -	6	12	- 5000
CSA alone -	40	1.2e+02	
iamide +- others -	1.2e+03	6.3e+02	
osphamide alone -	2.9e+03	1.2e+03	- 4000
+ MMF +- others -	5.5e+02	6.8e+03	
others(not MMF) -	2.8e+02	2.8e+03	- 3000
rs(not MMF,MTX) -	0	1	
FKalone -	2e+02	7.2e+02	
ivHD Prophylaxis -	40	1.3e+02	- 2000
VHD Prophylaxis -	1.1e+02	3e+02	
res, but no agent -	3	37	- 1000
LETION +- other -	1.2e+02	2.8e+02	
DEPLETION alone -	75	3e+02	
	ہٰہِ hla_match	ာ_drb1_low	- 0

## Heatmap: hla\_match\_dqb1\_low vs gvhd\_proph

Dselect +- other -	0	9	23	
CDselect alone -	3	33	1.4e+02	- 6000
+- others(not FK) -	9	1.9e+02	1.4e+03	
iers(not MMF,FK) -	2	12	1.2e+02	- 5000
not FK,MMF,MTX) -	0	2	16	
CSA alone -	0	22	1.3e+02	
iamide +- others -	8	8.7e+02	8.9e+02	- 4000
osphamide alone -	12	2.2e+03	1.8e+03	
+ MMF +- others -	27	3.9e+02	6.4e+03	
others(not MMF) -	3	2.3e+02	2.5e+03	- 3000
rs(not MMF,MTX) -	0	0	1	
FKalone -	1	1.1e+02	7.8e+02	- 2000
ivHD Prophylaxis -	0	29	1.3e+02	
VHD Prophylaxis -	0	81	3.1e+02	
es, but no agent -	0	3	35	- 1000
LETION +- other -	5	70	3.1e+02	
DEPLETION alone -	3	59	2.9e+02	
	0,0	رٰہ hla_match_dqb1_low	2.0	- 0

Heatmap: y	/ear	hct vs	avhd	nroi	nh
ricacinap.	, Cai	TICE VS	gviia	$\rho_1 \sigma_1$	$\boldsymbol{\rho}$

Dselect +- other -	1	0	2	2	3	3	1	2	8	9	9	0	0		
CDselect alone -	13	2	1	6	9	18	3	23	44	26	46	3	0		- 1750
F- others(not FK) 2	2.2e+02	2 32	25	38	1e+02	.7e+02	97	1.5e+0	22.7e+022	21e+0	1 <b>2</b> .7e+02	41	1		
iers(not MMF,FK) -	14	5	4	9	17	9	10	15	32	22	34	0	0		- 1500
not FK,MMF,MTX) -	1	0	0	0	0	0	1	2	8	2	5	1	0		
CSA alone -	11	1	3	1	6	11	9	12	42	15	57	8	0		- 1250
ıamide +- others -	69	13	16	26	78	59	47	1.4e+0	23e+024	.8e+0	0 <b>2</b> .4e+02	40	0		
osphamide alone 1	8e+02	2 17	17	26 1	L.4e+012	28e+0 <b>2</b>	.e+02	2.7e+0	Z2e+08	23e+0	02.5e+01 <mark>2</mark>	2e+02	1		
+ MMF +- others -	0.1e+0 <b>1</b>	.8e+0 <b>I</b>	22e+0	<b>2</b> e+0 <b>2</b>	5.2e+0 <del>2</del>	21e+032	4e+0	<b>2</b> 9e+0	<b>2</b> .5e+0E	32e+0	B9e+01.	8e+02	2 2		- 1000
others(not MMF) 3	3.3e+02	2 99	72 1	L.3e+02	28e+02	26e+012	3e+0	B2.3e+0	21e+02	5e+0	<b>&amp;</b> .2e+02	38	0		
rs(not MMF,MTX) -	0	0	0	0	0	0	0	1	0	0	0	0	0		- 750
FKalone 1	4e+02	2 20	12	14	46	74	52	57	2e+0 <b>2</b>	.2e+(	<b>12</b> 2e+02	38	0		
ivHD Prophylaxis -	18	1	4	2	7	16	10	11	39	30	50	9	0		- 500
VHD Prophylaxis -	29	14	6	12	24	33	26	27	92	65	1e+02	11	0		
es, but no agent -	8	1	0	1	2	2	5	2	4	8	13	4	0	,	- 250
LETION +- other -	39	2	2	6	16	30	19	27	92	60	1.2e+02	19	0		
DEPLETION alone -	42	9	2	6	20	34	29	31	85	64	1.1e+02	18	0		0
	2008	2009	2020	2011	2022	2013	2014	2015	2016	2027	2018	2019	2020		- 0
							ear_ho	ct							

Heatmap: hla\_match\_a\_high vs gvhd\_proph

Dselect +- other -	0	10	25	- 6000
CDselect alone -	1	44	1.3e+02	
۱- others(not FK) -	7	2.5e+02	1.3e+03	- 5000
ers(not MMF,FK) -	0	18	1.4e+02	3000
not FK,MMF,MTX) -	0	7	9	
CSA alone -	1	44	1e+02	- 4000
iamide +- others -	8	1.1e+03	6.8e+02	
osphamide alone -	17	2.7e+03	1.1e+03	
+ MMF +- others -	6	7.7e+02	6e+03	- 3000
others(not MMF) -	4	2.9e+02	2.6e+03	
rs(not MMF,MTX) -	0	0	1	
FKalone -	2	1.6e+02	6.5e+02	- 2000
IvHD Prophylaxis -	0	37	1.1e+02	
VHD Prophylaxis -	1	1.1e+02	2.8e+02	
es, but no agent -	0	3	28	- 1000
LETION +- other -	2	81	2.8e+02	
DEPLETION alone -	1	59	2.6e+02	- 0
	00	\sqrt{\cappa_c}\cappa_c\cappa_	2.0	U

## Heatmap: donor\_age vs gvhd\_proph

Dselect +- other -000100004112301000010000011122001111201011102000201000000	
CDselect alone -010243761187932531240314131312251652341224034453324422100000000000	200
others(not FK) -21 <b>002946865885228323340022302220938918482233336301852</b> 001006522020000	- 300
ers(not MMF,FK) -010450633626924613622002521113325114334122012323225223100100001000	
ot FK,MMF,MTX) -000101101001100120002001000102000000000	- 250
CSA alone -00153636978946336313544333132231400502116112106031101000000000000	
amide +- others -2791 <b>28548492363362366362462822423332260293023232323232</b> 235531012000	
osphamide alone -512 <b>45 I/81/42/1924 (1922) 1/22/1924 (1922) 1/21/19663</b>	- 200
+ MMF +- others -1127-213-20-20-20-20-20-20-20-20-20-20-20-20-20-	
others(not MMF) -@8 <b>36.541.84090</b> 68898 <b>8364351434448665666835528866338425</b> 0 <i>2</i> 91 <i>3</i> 7343321100	- 150
rs(not MMF,MTX) -0000000000001000000000000000000000000	
FKalone -35681 <b>0295999221932389697907</b> 61 <b>8061</b> 2851 <b>053</b> 291 <b>26477264</b> 4897751723101000100	
vHD Prophylaxis -10234189749L@2640145222604542215155125302164414411230211000000000	- 100
VHD Prophylaxis -13310882 <b>01</b> 671751 <b>80</b> 081 <b>3</b> 161068825211856644558967662118486257525422000000000	
es, but no agent -1001222222210011210112110010010020100320011020101000100	- 50
LETION +- other -02710992 <b>0391</b> 181 <b>631</b> 38611849711682467772448308753674768423222120000000001	
DEPLETION alone -1436133227931078911810666766772432255862995937410713664241222032000001100	
\$\$\frac{1}{2}\frac{1}{	- 0
· · · · · · · · · · · · · · · · · · ·	

donor\_age

## Heatmap: hla\_match\_b\_low vs gvhd\_proph

Dselect +- other -	1	9	29		
CDselect alone -	1	39	1.5e+02	5000	
۱- others(not FK) -	3	2.2e+02	1.5e+03	- 6000	
ıers(not MMF,FK) -	1	18	1.4e+02		
not FK,MMF,MTX) -	0	7	12	- 5000	
CSA alone -	1	40	1.2e+02		
ıamide +- others -	4	1.2e+03	5.9e+02	4000	
osphamide alone -	9	2.9e+03	1.2e+03	- 4000	
+ MMF +- others -	17	5.5e+02	6.8e+03		
others(not MMF) -	8	3e+02	2.7e+03	- 3000	
rs(not MMF,MTX) -	0	0	1		
FKalone -	1	1.4e+02	7.7e+02	2000	
ivHD Prophylaxis -	0	33	1.4e+02	- 2000	
VHD Prophylaxis -	1	1.1e+02	3.1e+02		
res, but no agent -	0	3	37	- 1000	
LETION +- other -	2	98	3e+02		
DEPLETION alone -	4	60	3e+02	- 0	
	0.0	ہٰہٰ hla_match_b_low	20	- 0	

### Heatmap: age\_at\_hct vs gvhd\_proph

Dselect +- other -401101000000012121001000000100011012113000000022000002002202200000000	
CDselect alone -467823321314753333522362132201101344630L®1730000212214134133024323550000000	- 250
H- others(not FK) 705604234043346020602074855174208308446950151156180232288358643862322085000	
ers(not MMF,FK) 1165284122132224420203222121111123335254441735312130012121000021232532021000	
not FK,MMF,MTX) -71110101110000010000010000000000000000	- 200
CSA alone 238315352414466512100112200012134231223110100421424223014200702331201100000	
amide +- others 2 <b>20213</b> 959 <b>.23239336621</b> 68.2355.023088 <b>555.065239023308640423656962415426</b> 53220	
osphamide alone6 <b>643228023036203932205633262364874428395040786438340558980356498475463</b> e8632220221	- 150
+ MMF +- others 318088500869680680952822864517844566661023@@@@@Q@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@	
others(not MMF) 5 <b>B2259</b> BB <b>223B434953</b> B <b>8B76221D43D939</b> B6 <b>9948</b> 026 <b>2333949<del>BB</del>25555555555522</b> B78901	
rs(not MMF,MTX) -000000000000000000000000000000000000	- 100
FKalone 48323545620338311087434333448328.421491846766510588100338300976378121980786503210	100
vHD Prophylaxis 1&5235441253543431120011021104134122534102001221548544404332265534022100000	
VHD Prophylaxis 33416786367511877974455543152140758106688116673127555810488652303544789836420000	
es, but no agent -0000210001020200010000000031000012010001020002312351010001014123000000000	- 50
LETION +- other 38554/57688105913207545732312033686377107285314006137561126544022437475812000000	
DEPLETION alone 27/15/646476751.091.266358332233013071.07467651.0047762632277791.560175345831.259762200000	
0.0.0000000000000000000000000000000000	- 0

age\_at\_hct

## Heatmap: hla\_match\_a\_low vs gvhd\_proph

Dselect +- other -	0	12	26	
CDselect alone -	0	46	1.4e+02	- 6000
others(not FK) -	5	2.8e+02	1.4e+03	
iers(not MMF,FK) -	0	17	1.4e+02	
not FK,MMF,MTX) -	0	8	11	- 5000
CSA alone -	0	53	1.1e+02	
ıamide +- others -	6	1.1e+03	7.1e+02	- 4000
osphamide alone -	9	2.9e+03	1.2e+03	
+ MMF +- others -	10	8.1e+02	6.6e+03	
others(not MMF) -	4	2.6e+02	2.8e+03	- 3000
rs(not MMF,MTX) -	0	0	1	
FKalone -	3	1.9e+02	7.2e+02	- 2000
ivHD Prophylaxis -	0	38	1.3e+02	
VHD Prophylaxis -	2	1.2e+02	3e+02	
res, but no agent -	0	5	35	- 1000
PLETION +- other -	0	92	3.1e+02	
DEPLETION alone -	1	67	3.1e+02	- 0
	0,0	hla_match_a_low	2.0	U

## Heatmap: hla\_match\_b\_high vs gvhd\_proph

Dselect +- other -	0	14	21	- 6000
CDselect alone -	2	51	1.3e+02	
+- others(not FK) -	7	2.2e+02	1.4e+03	
iers(not MMF,FK) -	0	18	1.4e+02	- 5000
not FK,MMF,MTX) -	0	6	11	
CSA alone -	0	39	1.1e+02	
ıamide +- others -	2	1.2e+03	5.7e+02	- 4000
osphamide alone -	12	2.7e+03	1e+03	
+ MMF +- others -	17	6.8e+02	6.2e+03	- 3000
others(not MMF) -	9	3.8e+02	2.6e+03	
rs(not MMF,MTX) -	0	0	1	
FKalone -	3	1.5e+02	6.9e+02	- 2000
ivHD Prophylaxis -	1	34	1.1e+02	
VHD Prophylaxis -	4	1.1e+02	2.7e+02	
es, but no agent -	0	1	30	- 1000
LETION +- other -	1	84	2.8e+02	
DEPLETION alone -	3	64	2.6e+02	
	0.0	ہٰہٰ hla_match_b_high	2.0	- 0

Heatmap: comorbidity	_score vs gvhd	_proph

Dselect +- other -	19	6	6	3	2	2	1	0	0	0	0	_	3000
CDselect alone -	86	35	33	18	10	5	1	1	2	0	0		
⊦- others(not FK) -	9e+022	2.6e+023	.1e+021	4e+02	61	56	32	18	15	11	3		
ıers(not MMF,FK) -	71	27	34	18	7	4	4	3	0	0	1	-	2500
not FK,MMF,MTX) -	15	3	1	0	0	0	0	1	0	0	0		
CSA alone -	87	16	37	11	5	9	3	3	1	3	0		
ıamide +- others -	5.6e+02	3.4e+024	.4e+021	8e+021	1e+02	93	55	33	24	11	7		2000
osphamide alone -	1.3e+03	7.1e+029	.1e+024	l.2e+022	2.5e+022	.2e+021	3e+02	84	43	35	17		
+ MMF +- others -	3.1e+03	l.5e+03	.7e+03 <mark>6</mark>	5.5e+023	3.9e+023	.7e+022	2.2e+021	.6e+02	82	59	27		- 1500
others(not MMF) -	1.1e+03	5.4e+027	.8e+023	3.1e+021	6e+021	.2e+02	82	45	31	21	10		
rs(not MMF,MTX) -	0	0	1	0	0	0	0	0	0	0	0		
FKalone -	5.1e+02	l.2e+021	.8e+02	73	32	35	14	6	8	8	0	-	1000
ivHD Prophylaxis -	85	21	36	20	9	5	6	8	2	1	0		
VHD Prophylaxis -	2e+02	53	79	34	21	26	10	5	4	4	0		
es, but no agent -	23	9	7	3	1	1	4	0	1	0	0	-	500
LETION +- other -	2e+02	59	84	36	14	8	9	6	2	3	1		
DEPLETION alone -	1.9e+02	70	80	28	27	19	6	11	11	0	1		. 0
	0.0	<i>y</i> .	20	3.0	×.0	20	%.	10	&. 0	0.	20,0	_	- 0
					comor	bidity_s	core						

Heatmap:	karnofsky	score vs	avhd	nronh
Heatiliap.	Kalliulsky	SCOLE AS	gviiu	propri

Dselect +- other -	0	0	3	2	3	25	5		
CDselect alone -	0	0	6	33	9	1.1e+02	31		- 4000
⊦- others(not FK) -	0	4	61	2.9e+02	1.4e+02	9.6e+02	2.8e+02		
ıers(not MMF,FK) -	0	0	3	26	14	97	25		- 3500
not FK,MMF,MTX) -	0	0	1	2	0	13	4		
CSA alone -	0	1	9	33	13	91	19		- 3000
iamide +- others -	2	2	78	4.8e+02	1.6e+02	1e+03	1.5e+02		
osphamide alone -	0	13	1.8e+02	1e+03	3.2e+02	2.3e+03	3.4e+02		- 2500
+ MMF +- others -	5	23	4.2e+02	2.2e+03	5e+02	4.4e+03	5.4e+02		
others(not MMF) -	0	14	1.6e+02	7.5e+02	2.6e+02	1.9e+03	2.3e+02		- 2000
rs(not MMF,MTX) -	0	0	0	0	0	0	1		
FKalone -	1	0	24	1.6e+02	62	5.2e+02	1.9e+02		- 1500
ivHD Prophylaxis -	0	1	9	44	15	1e+02	14		
VHD Prophylaxis -	0	2	18	87	24	2.5e+02	39		- 1000
res, but no agent -	0	0	5	14	4	23	3		
LETION +- other -	0	4	18	74	31	2.1e+02	56		- 500
DEPLETION alone -	1	1	16	89	40	2.3e+02	44		
	<sup>70</sup> 0	400	60.0	10.0	80.0	90,0	2000		- 0
karnofsky_score									

Heatmar	n: hla	low	res	8 vs	avhd	proph
1 ICacilla	J. IIIG	10 44	103	$\mathbf{o}$	gviia	PIOPII

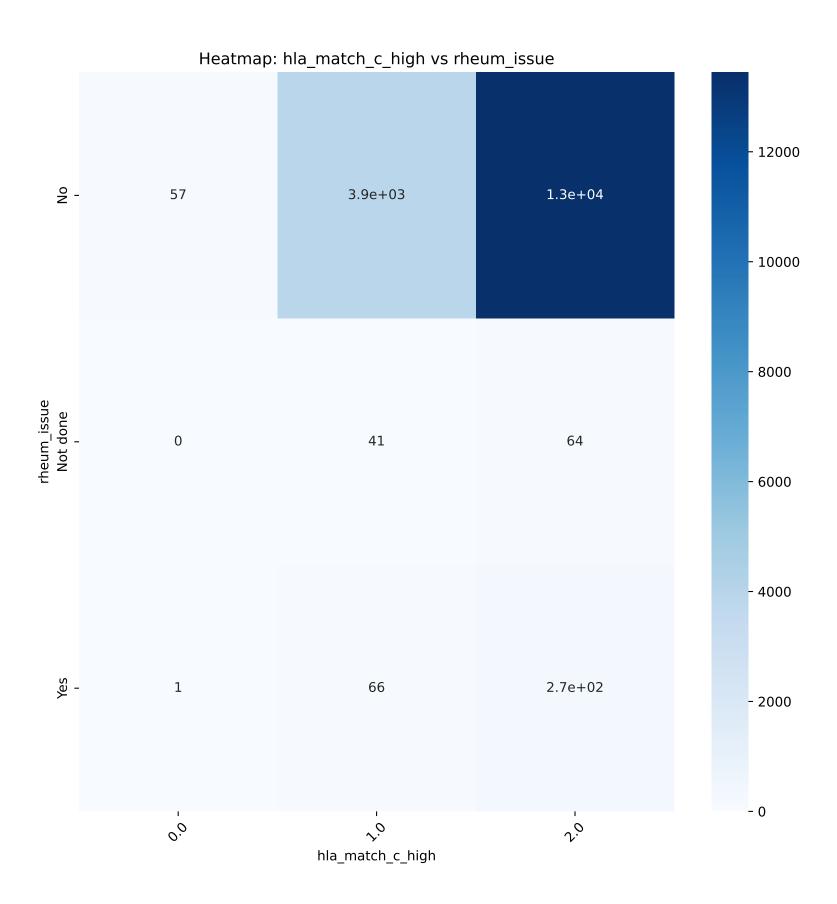
Dselect +- other -	0	0	4	3	4	6	19	
CDselect alone -	0	0	16	15	14	24	1.1e+02	
⊦- others(not FK) -	0	0	65	81	1.1e+02	2.3e+02	1.1e+03	- 5000
ıers(not MMF,FK) -	0	0	6	3	13	24	1.1e+02	
not FK,MMF,MTX) -	0	0	2	2	5	0	8	
CSA alone -	0	0	18	15	11	18	92	- 4000
ıamide +- others -	0	2	8e+02	2.6e+02	1.8e+02	1.9e+02	3.4e+02	
osphamide alone -	0	9	2.1e+03	5.1e+02	3.1e+02	3.8e+02	6e+02	
+ MMF +- others -	0	1	1.5e+02	1.5e+02	2.4e+02	6.4e+02	5.9e+03	- 3000
others(not MMF) -	0	1	61	83	1.2e+02	2.6e+02	2.4e+03	
rs(not MMF,MTX) -	0	0	0	0	0	0	1	
FKalone -	0	0	48	59	58	1.1e+02	5.9e+02	- 2000
ivHD Prophylaxis -	0	0	15	5	15	19	1e+02	
VHD Prophylaxis -	1	2	48	27	30	63	2.2e+02	
es, but no agent -	0	0	2	1	0	2	33	- 1000
LETION +- other -	0	1	37	36	27	56	2.3e+02	
DEPLETION alone -	0	0	24	20	17	47	2.3e+02	
	٠ <u>٠</u>	3°.	<b>»</b> .	မျှင် hla_low_res_8	6.	70	8.0	- 0

# Heatmap: hla\_match\_drb1\_high vs gvhd\_proph

Dselect +- other -	0	13	23	
CDselect alone -	2	48	1.3e+02	- 6000
others(not FK) -	6	3e+02	1.3e+03	
iers(not MMF,FK) -	0	34	1.2e+02	
not FK,MMF,MTX) -	0	9	10	- 5000
CSA alone -	0	46	1.1e+02	
ıamide +- others -	9	1.2e+03	6e+02	- 4000
osphamide alone -	11	2.8e+03	1.1e+03	
+ MMF +- others -	11	5.4e+02	6.6e+03	
others(not MMF) -	6	3e+02	2.7e+03	- 3000
rs(not MMF,MTX) -	0	0	1	
FKalone -	3	1.8e+02	7e+02	- 2000
ivHD Prophylaxis -	2	33	1.2e+02	
VHD Prophylaxis -	0	1.2e+02	2.7e+02	
res, but no agent -	0	3	31	- 1000
LETION +- other -	2	1.1e+02	2.7e+02	
DEPLETION alone -	0	74	2.8e+02	- 0
	0,0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20	v

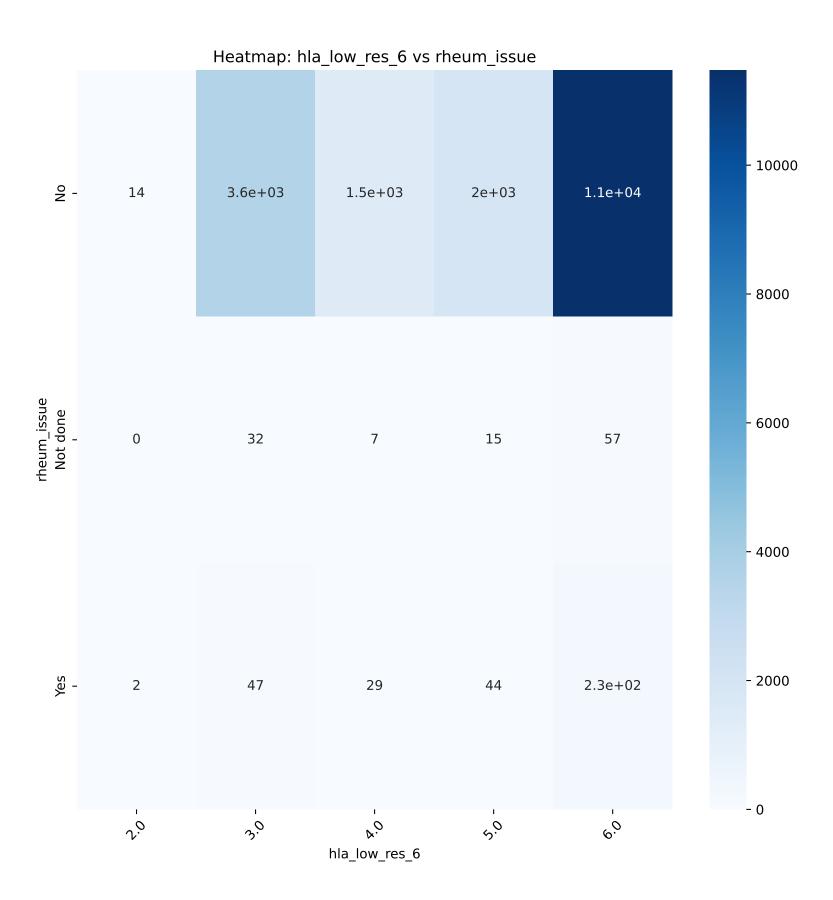
### Heatmap: hla\_low\_res\_10 vs gvhd\_proph

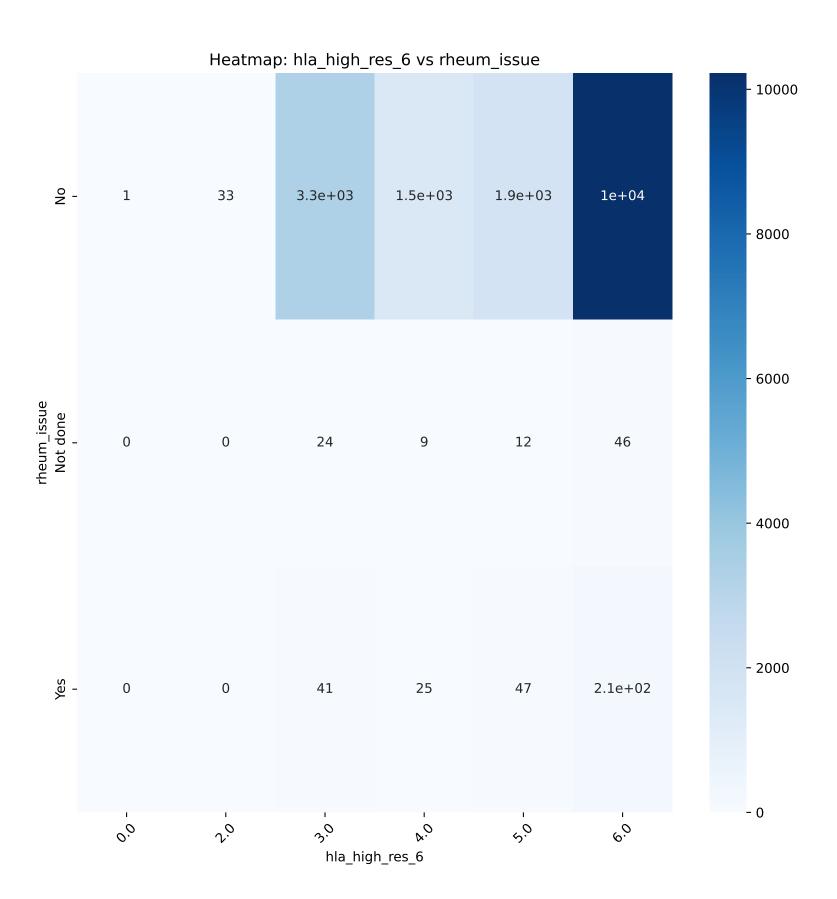
Dselect +- other -	0	2	3	2	2	8	14		
CDselect alone -	0	14	9	8	12	24	1e+02		- 5000
⊦- others(not FK) -	0	44	48	78	1.1e+02	2.1e+02	1e+03		
ıers(not MMF,FK) -	0	3	4	5	11	20	90		
not FK,MMF,MTX) -	0	0	3	2	4	0	8		- 4000
CSA alone -	0	11	10	11	10	20	87		
iamide +- others -	5	6e+02	3.1e+02	1.5e+02	1.6e+02	1.7e+02	3.1e+02		
osphamide alone -	10	1.7e+03	6.3e+02	3.4e+02	2.8e+02	3.3e+02	5.6e+02		- 3000
+ MMF +- others -	3	67	1.2e+02	1.3e+02	2.6e+02	6.5e+02	5.4e+03		
others(not MMF) -	1	34	51	77	1.1e+02	2.6e+02	2.1e+03		
rs(not MMF,MTX) -	0	0	0	0	0	0	1		- 2000
FKalone -	0	27	43	43	54	1.2e+02	5.5e+02		
ivHD Prophylaxis -	0	10	6	7	12	23	90		
VHD Prophylaxis -	2	33	24	22	34	60	2e+02		- 1000
es, but no agent -	0	2	0	1	0	2	30		
LETION +- other -	2	23	33	20	29	54	2.1e+02		
DEPLETION alone -	0	18	15	15	19	48	2.1e+02		
	Ø. 0	\$,0	60	10	8.0	9.0	20.0		- 0
hla_low_res_10									



Heatmap: hla\_high\_res\_8 vs rheum\_issue ဍိ -1.2e+03 2 24 2.8e+03 1.1e+03 1.7e+03 9.9e+03 8000 6000 rheum\_issue Not done ' 0 0 24 5 7 11 43 - 4000 - 2000 Yes -0 32 22 22 39 2e+02 - 0 10 Þ. . 60

hla\_high\_res\_8





Heatmap: hla\_high\_res\_10 vs rheum\_issue - 8000 ဍိ -20 1 2.3e+03 9.6e+02 8.5e+02 9.1e+02 1.7e+03 9e+03 - 7000 6000 - 5000 0 20 5 1 0 11 40 - 4000 - 3000 - 2000 Yes -24 20 16 23 29 1.8e+02 - 1000

10

\$. -

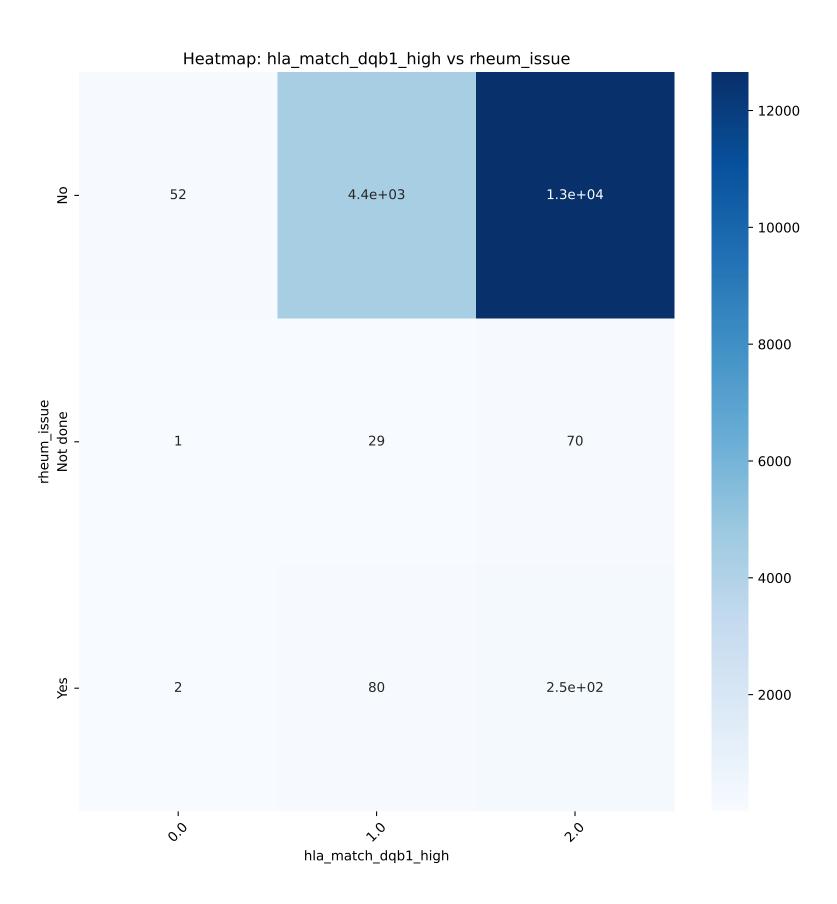
°.

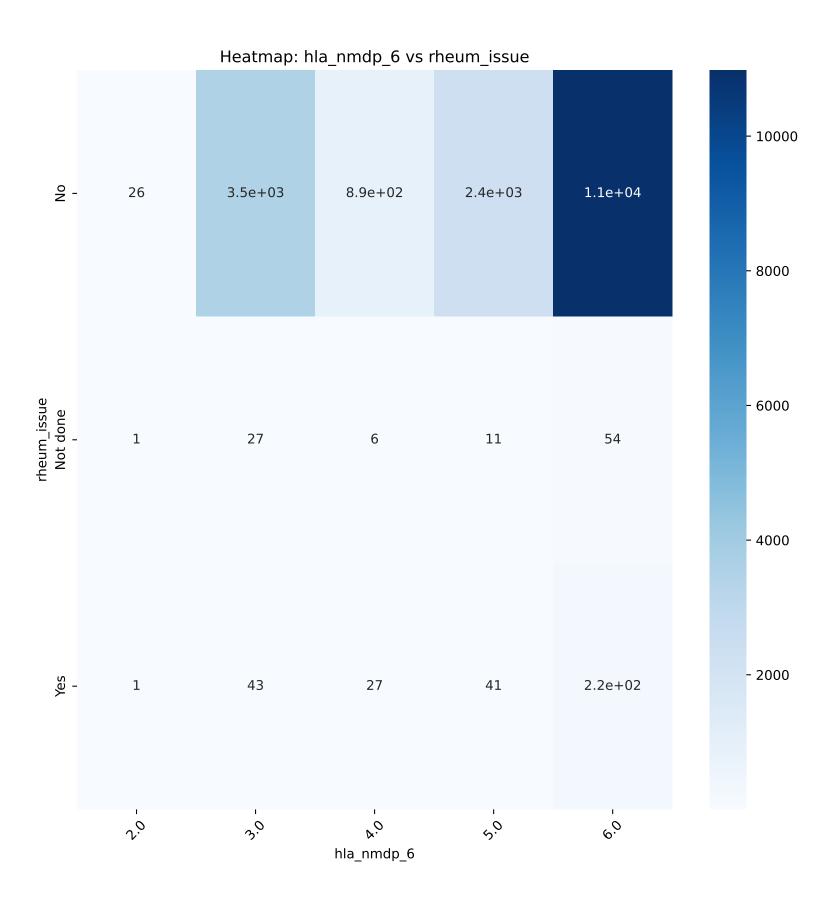
hla\_high\_res\_10

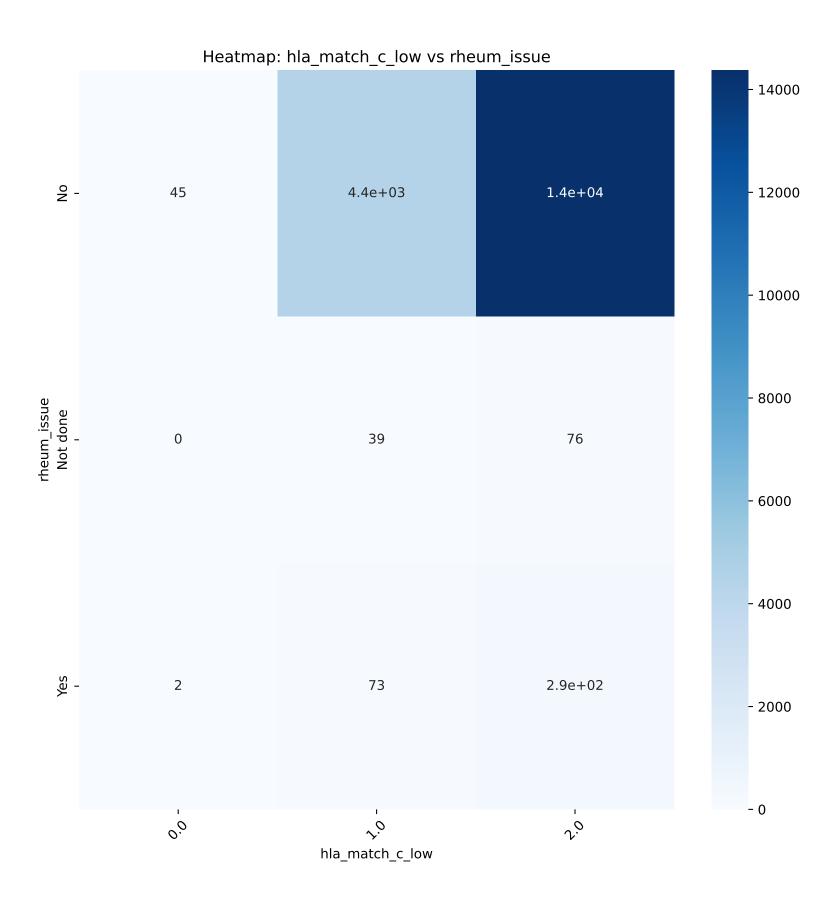
8.0

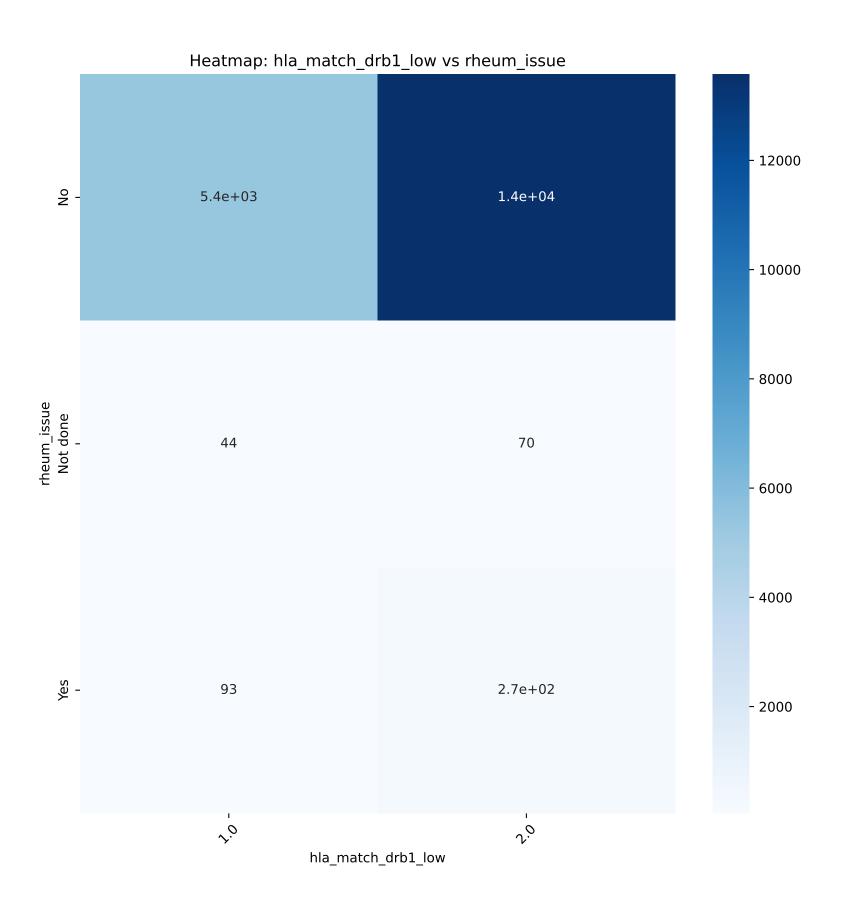
- 0

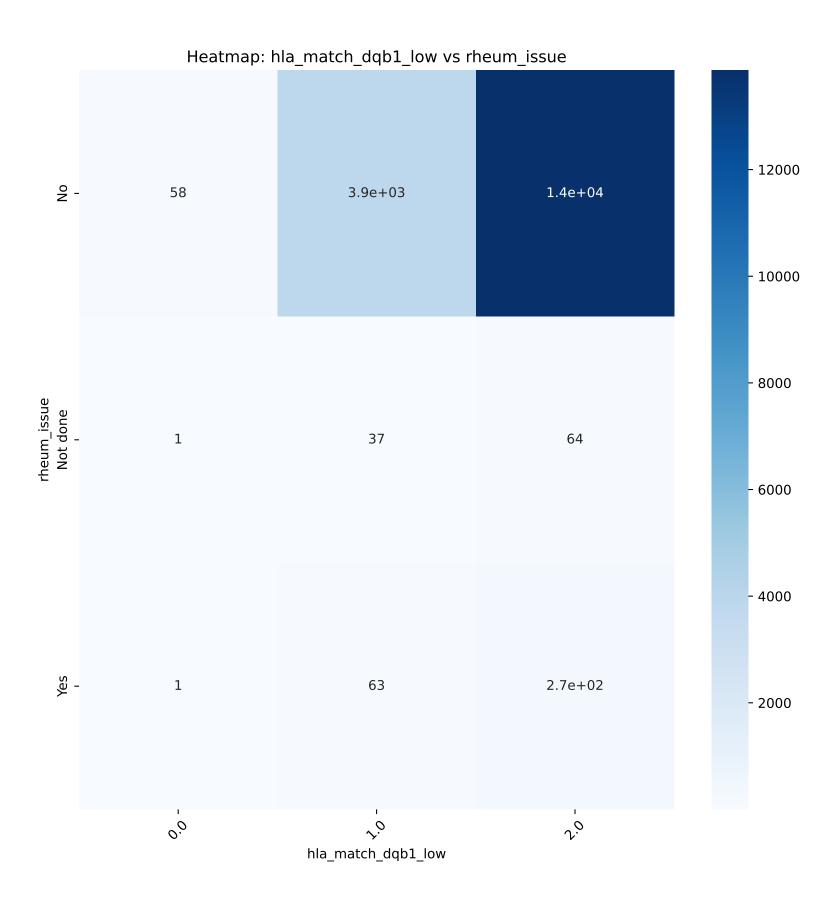
rheum\_issue Not done

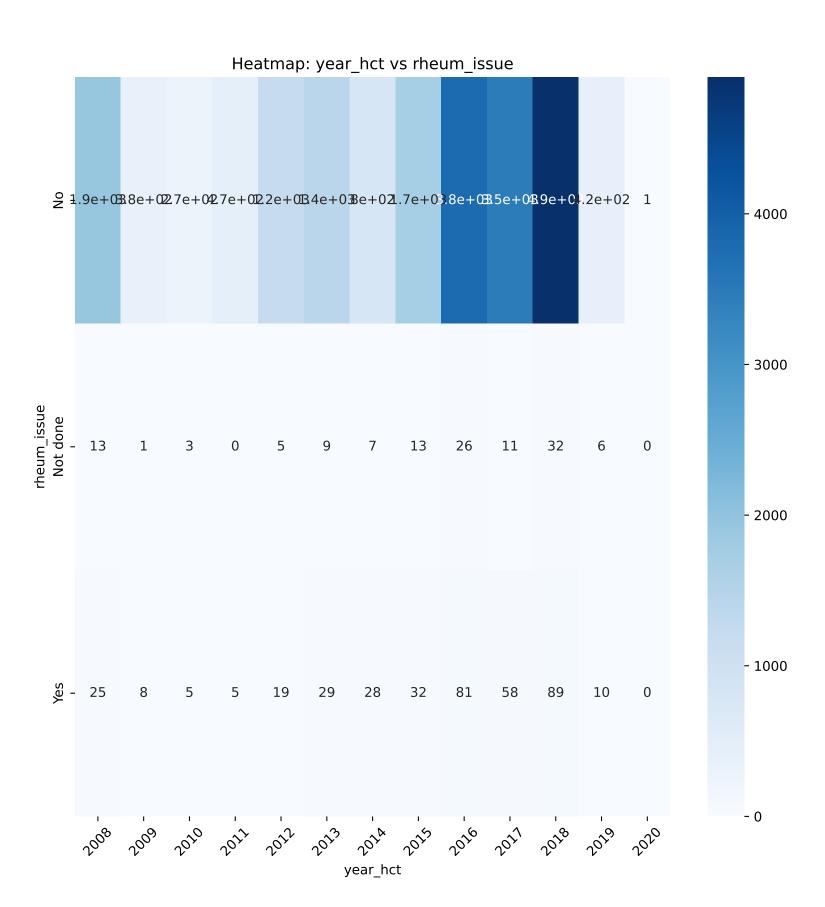


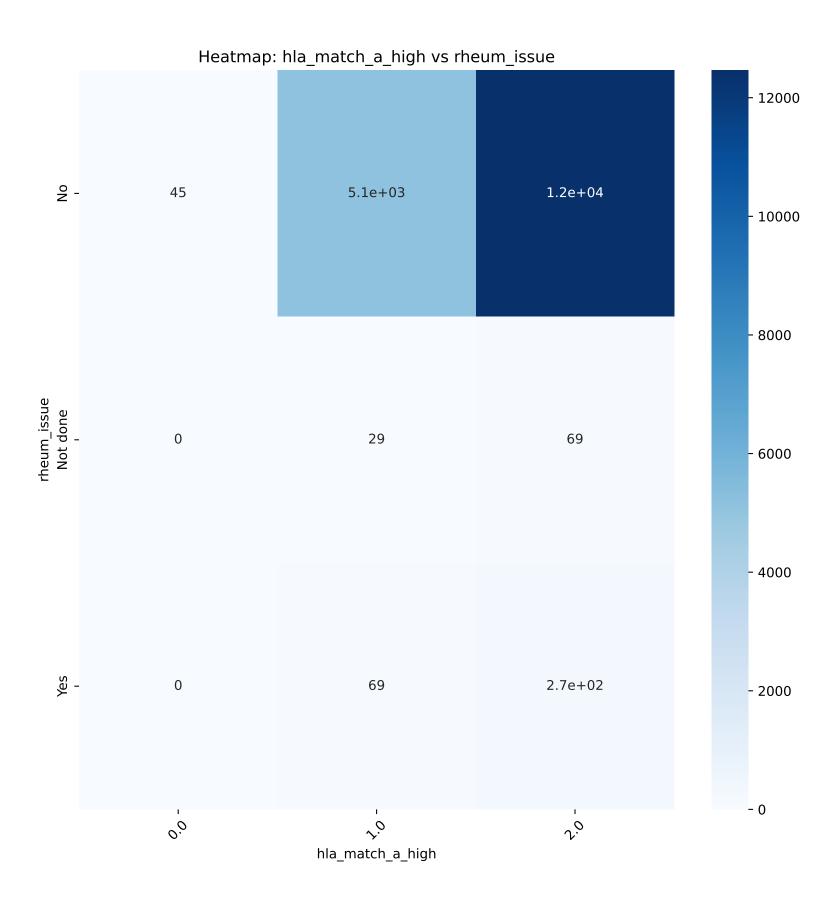




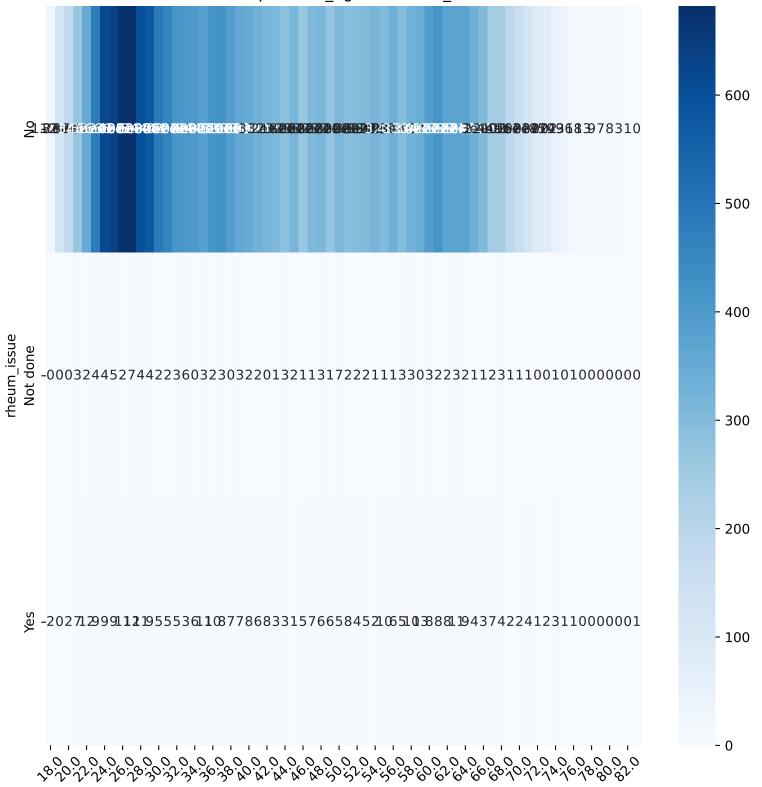




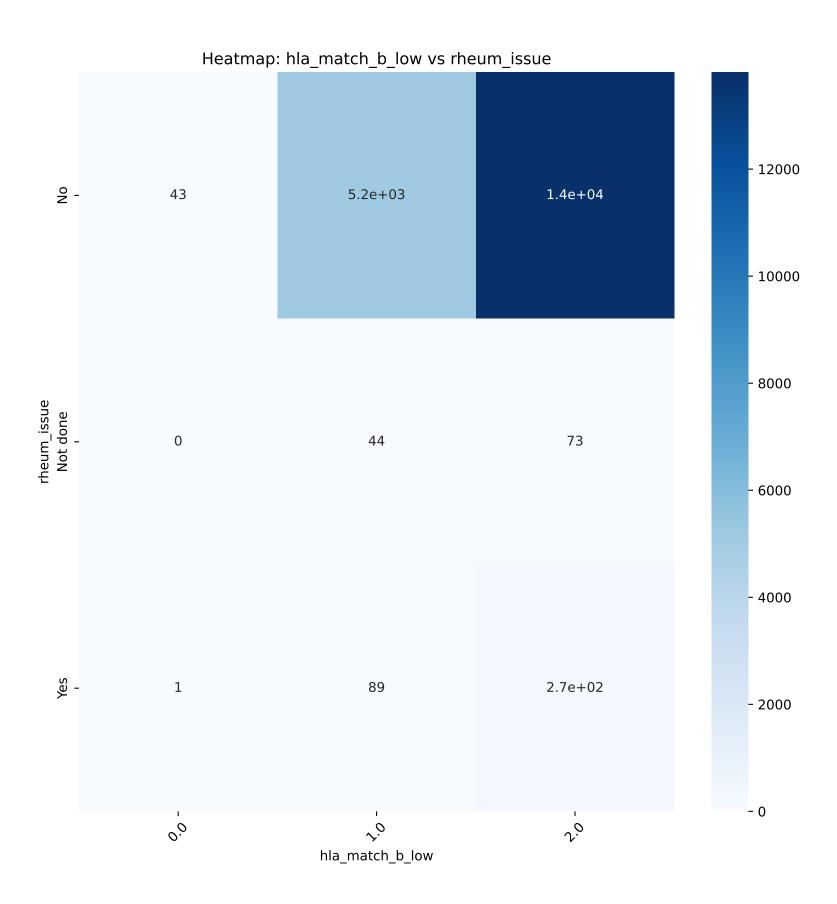




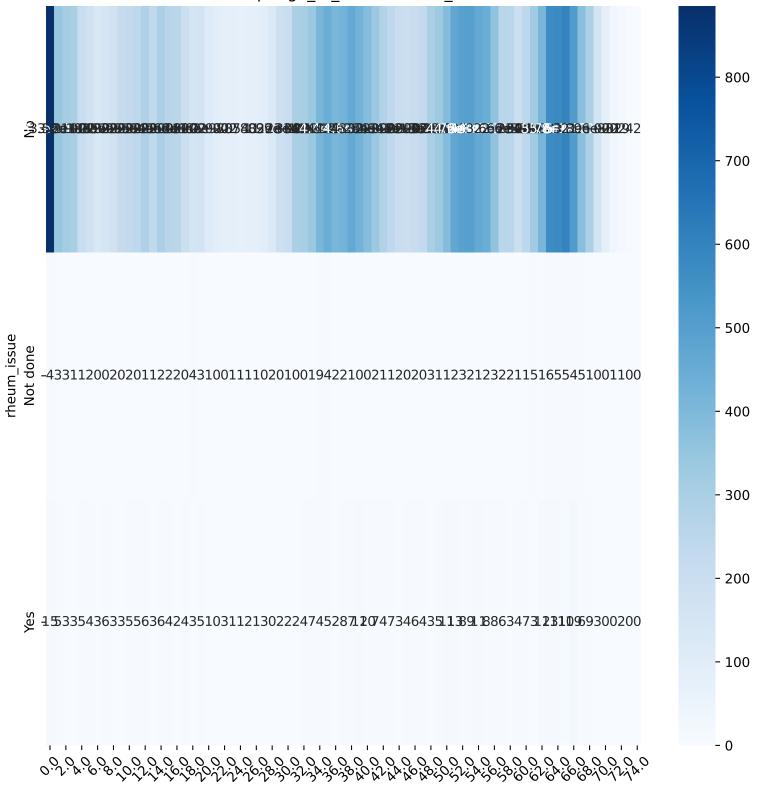
## Heatmap: donor\_age vs rheum\_issue

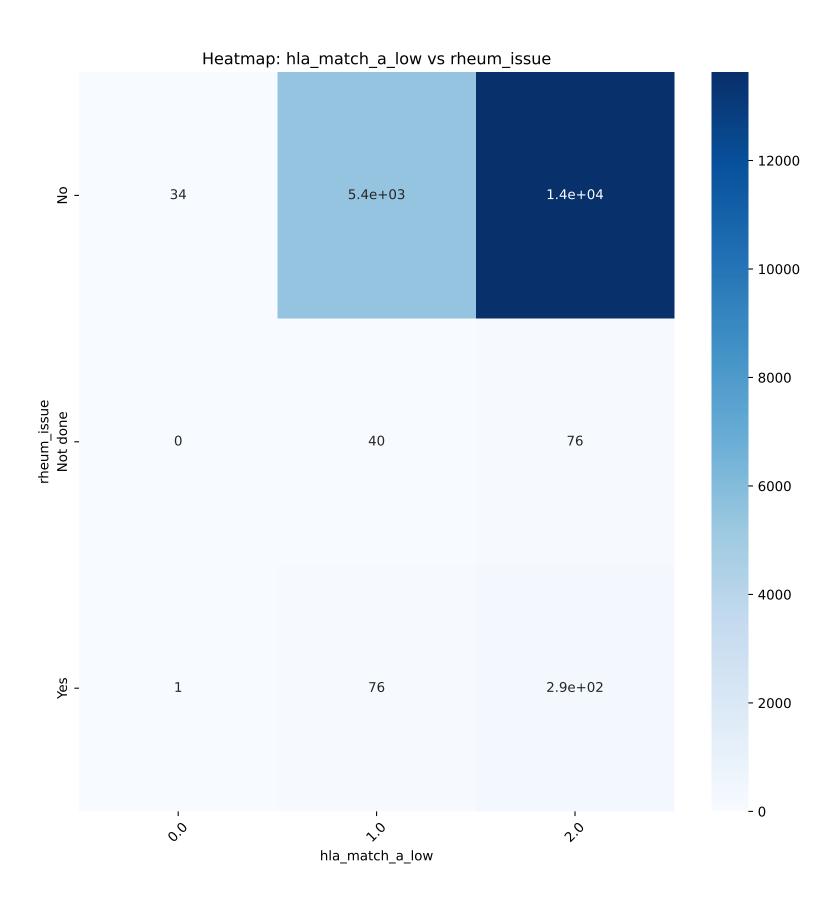


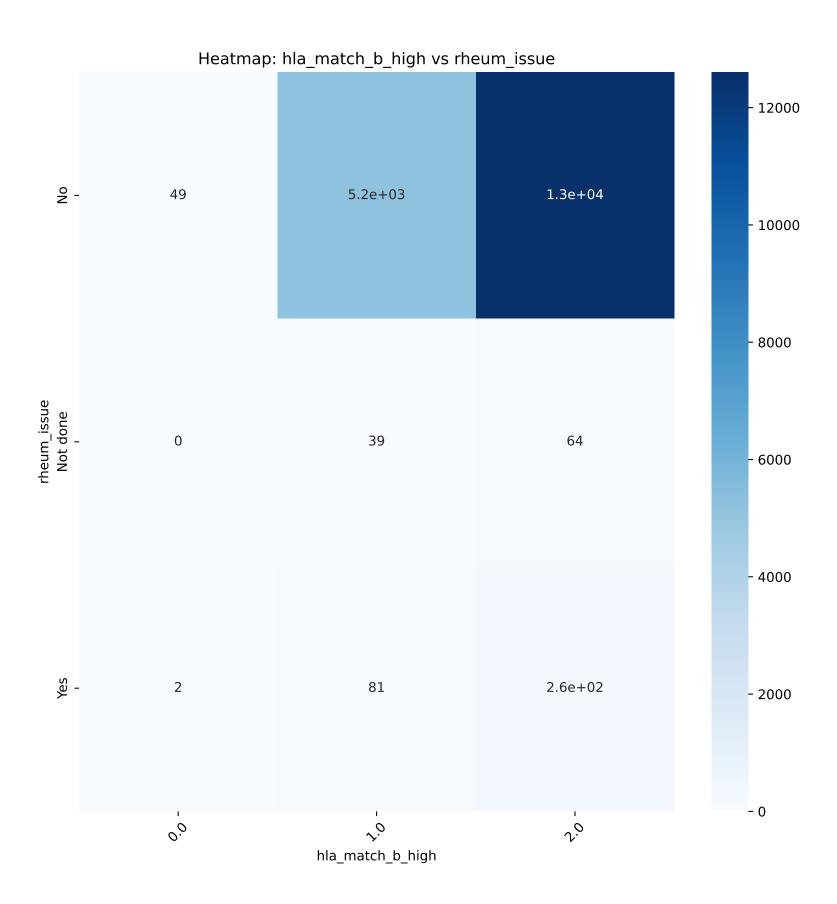
donor\_age

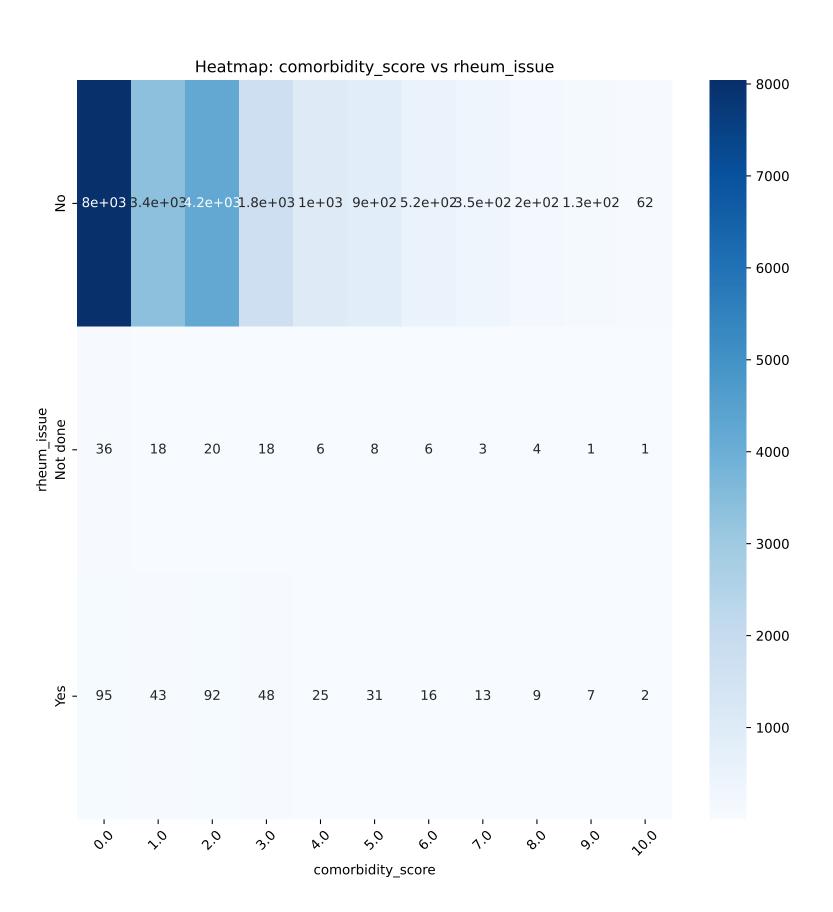


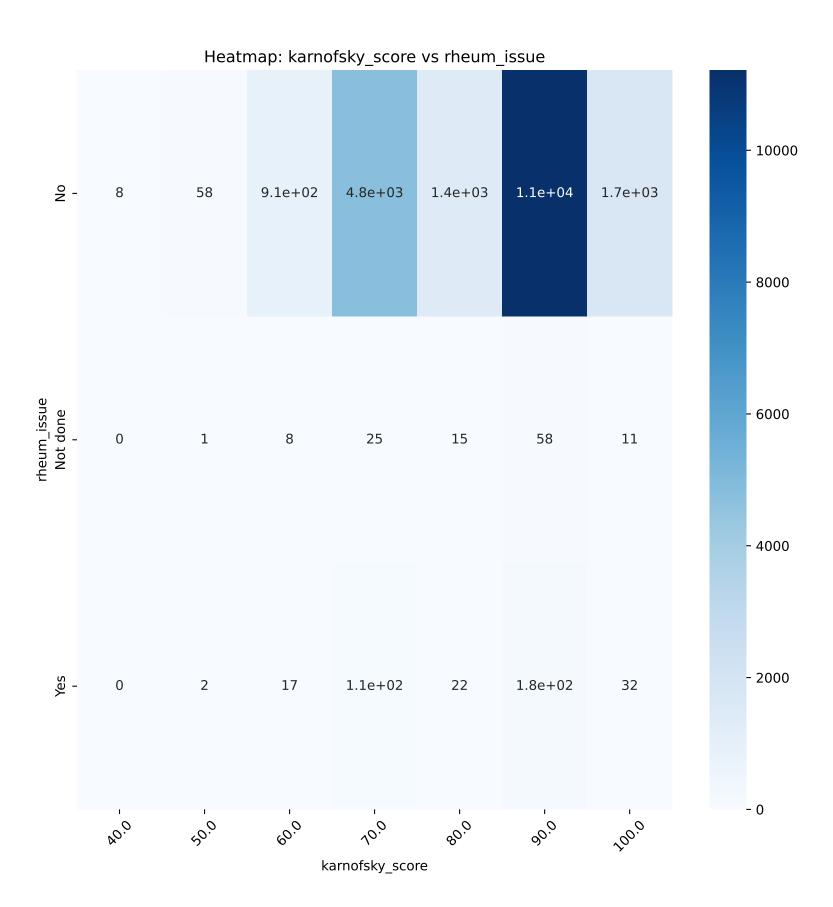
## Heatmap: age\_at\_hct vs rheum\_issue



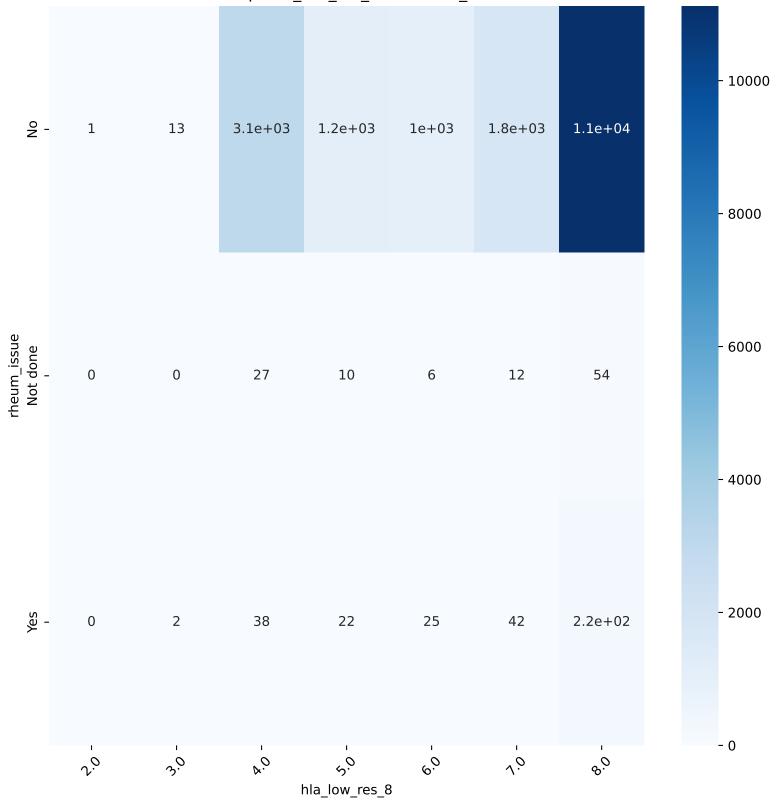


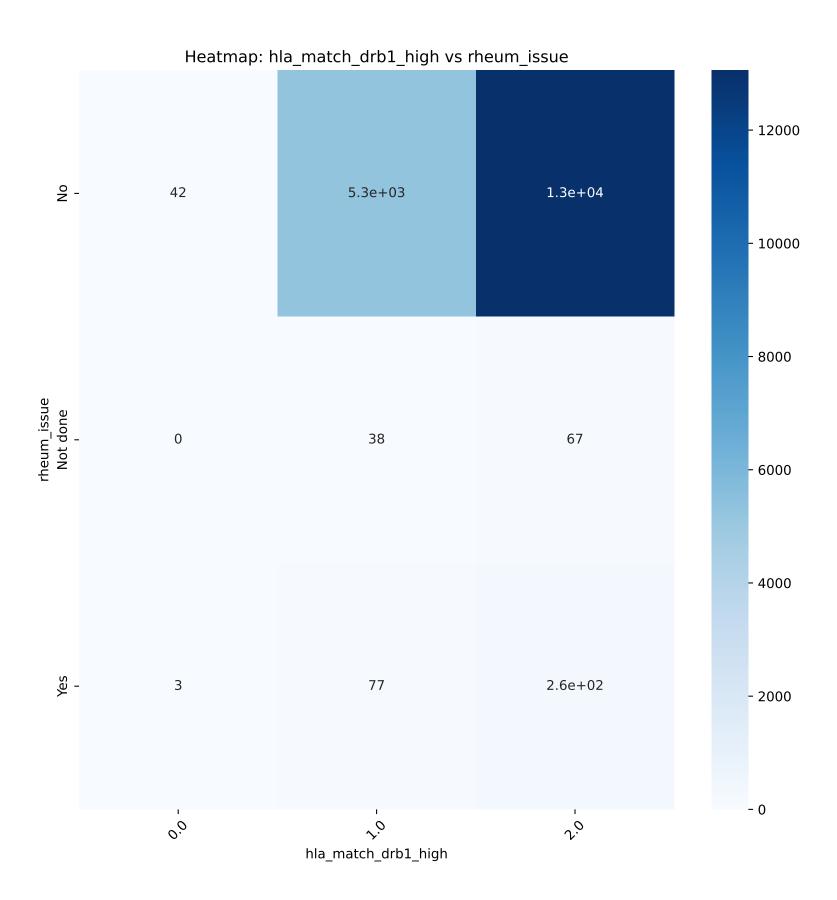




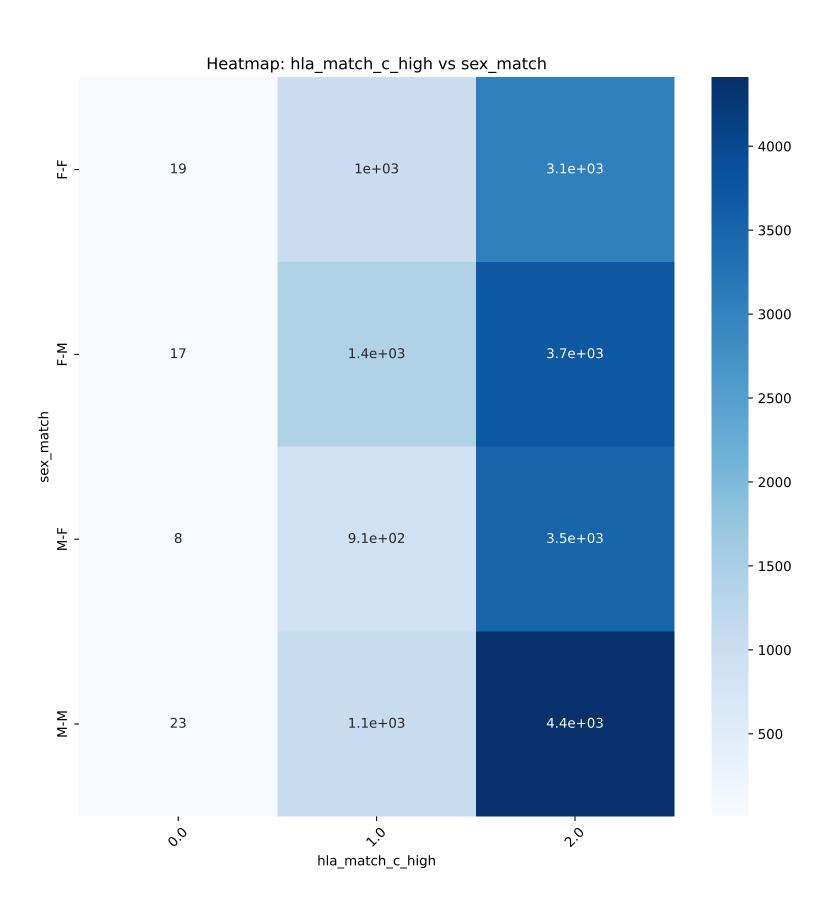


Heatmap: hla\_low\_res\_8 vs rheum\_issue

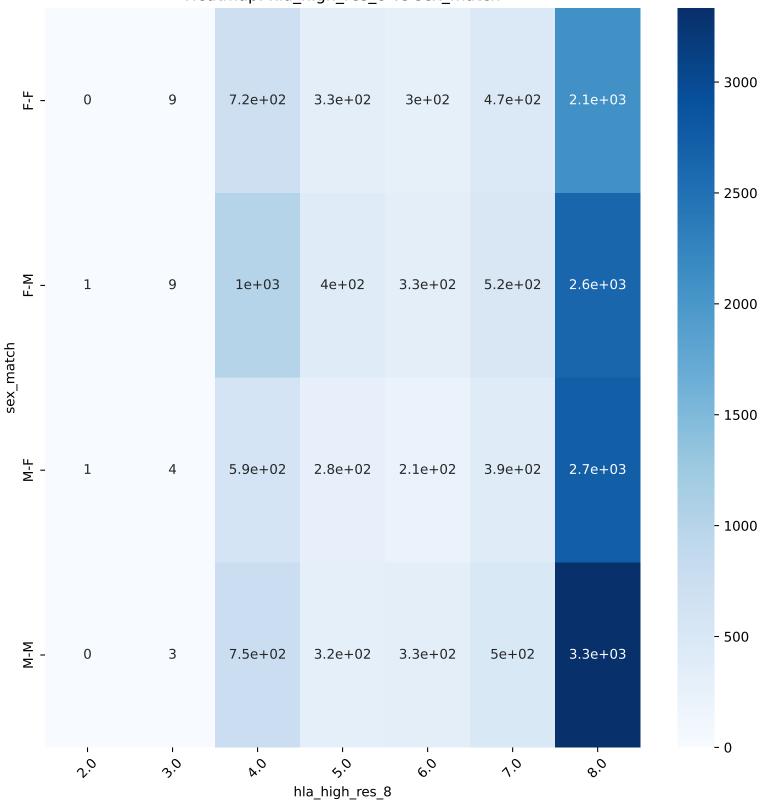




Heatmap: hla\_low\_res\_10 vs rheum\_issue 10000 ဍိ -18 2.3e+03 1.2e+03 8.4e+02 9.8e+02 1.8e+03 1e+04 8000 6000 rheum\_issue Not done ' 0 24 6 5 5 13 42 4000 - 2000 Yes -30 18 13 25 39 2e+02 - 0 ر أ ب °. 90 80 hla\_low\_res\_10



Heatmap: hla\_high\_res\_8 vs sex\_match

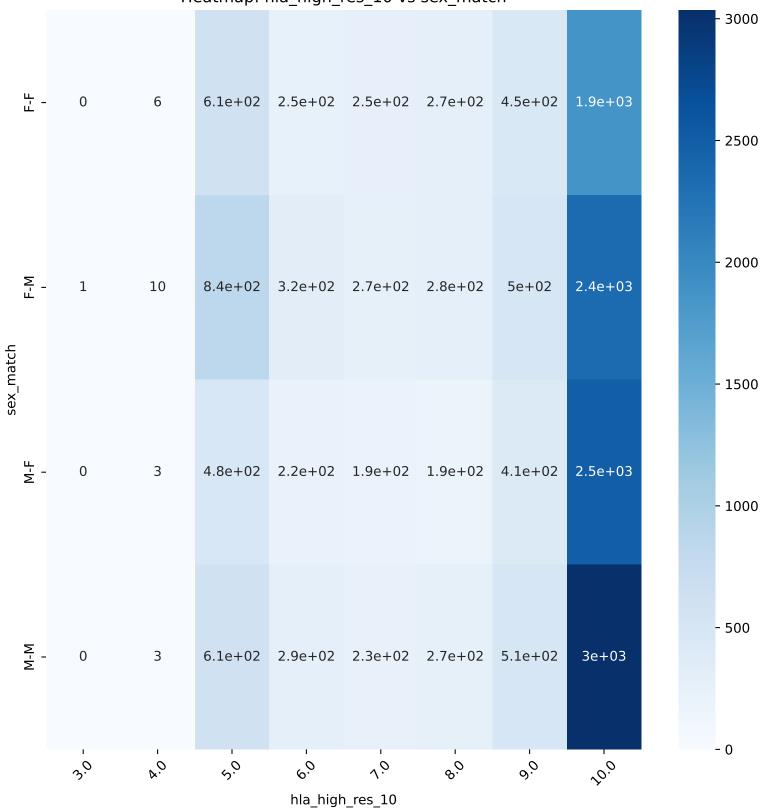


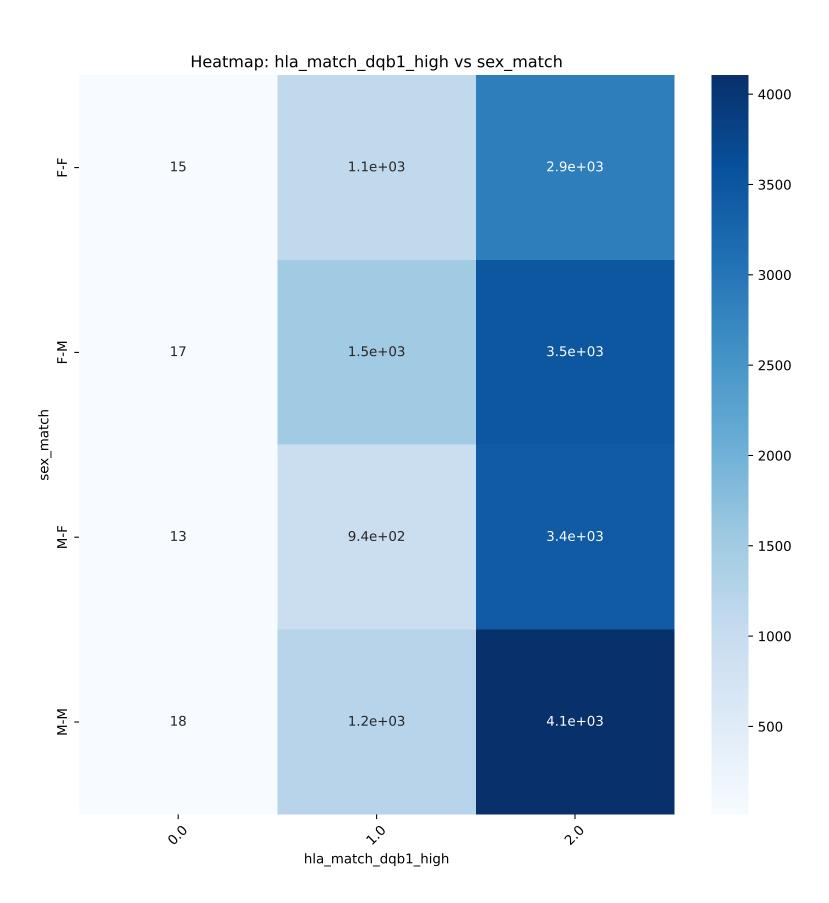
Heatmap: hla\_low\_res\_6 vs sex\_match - 3500 3 9.4e+02 3.9e+02 5.5e+02 2.4e+03 - 3000 - 2500 Ε'-3 1.3e+03 4.9e+02 6.2e+02 3.1e+03 sex\_match - 2000 - 1500 ¥ -2 7.9e+02 3.2e+02 4.6e+02 3.1e+03 - 1000 ∑ -- 500 9 9.6e+02 4.2e+02 5.9e+02 3.8e+03 30 0,4 50 60 hla\_low\_res\_6

Heatmap: hla\_high\_res\_6 vs sex\_match 0 8 8.9e+02 - 3000 4.2e+02 5.2e+02 2.2e+03 - 2500 Α -0 2.7e+03 10 1.2e+03 5e+02 6e+02 - 2000 sex\_match - 1500 ¥ -4.5e+02 1 8 7.3e+02 3e+02 2.8e+03 - 1000 - 500 ∑ -∑ 0 11 8.9e+02 4.4e+02 5.8e+02 3.4e+03 - 0 0.0 20 30 60 VO

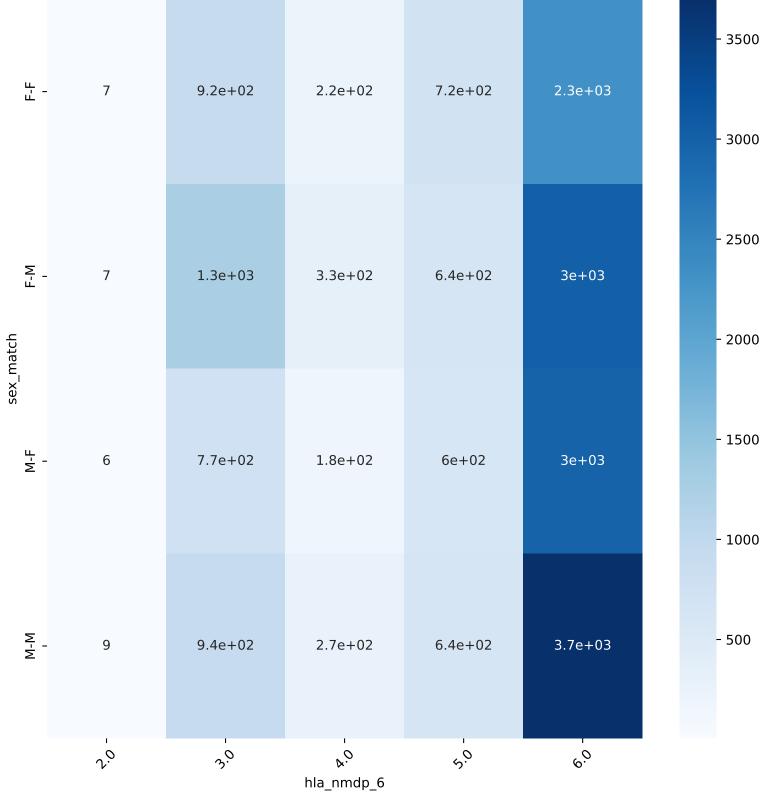
hla\_high\_res\_6

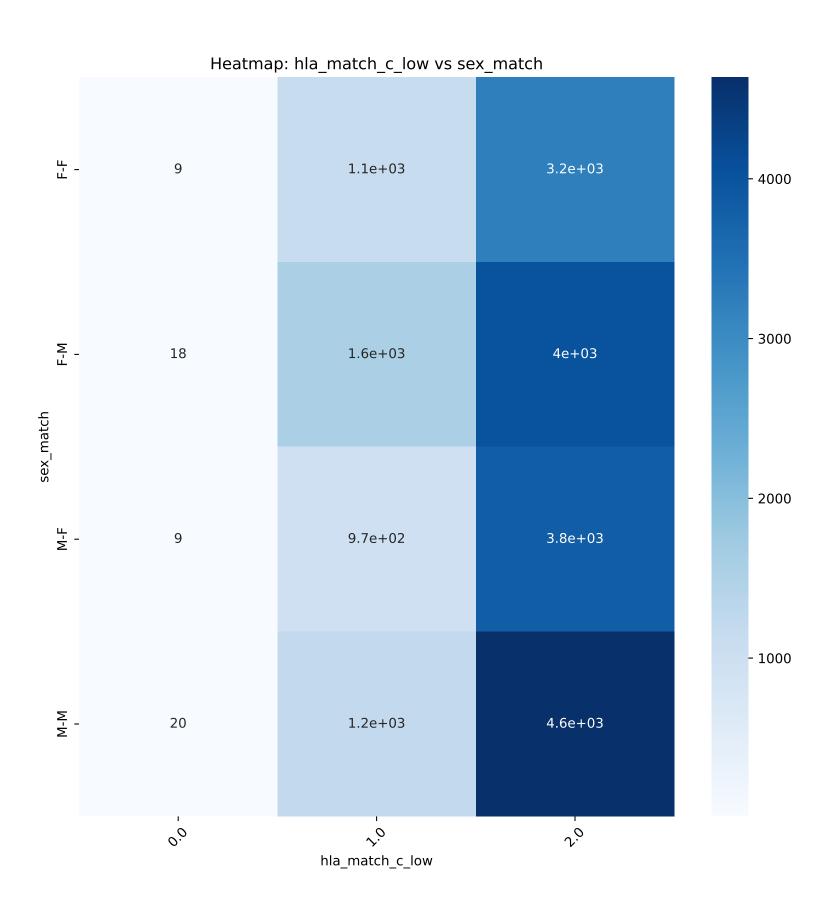
Heatmap: hla\_high\_res\_10 vs sex\_match

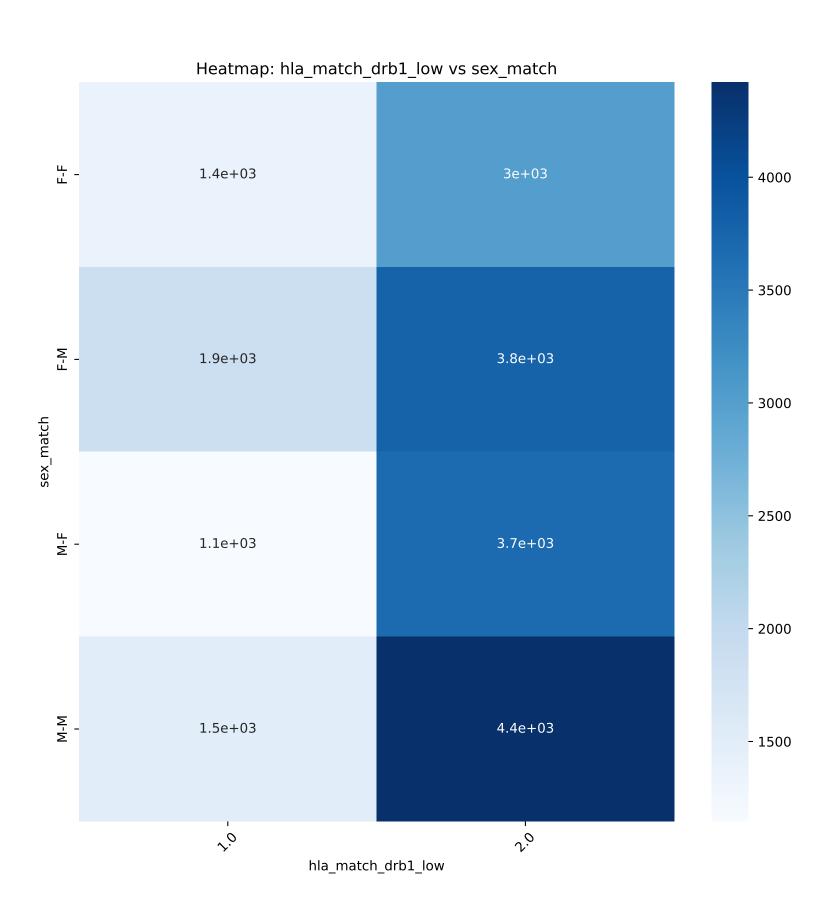


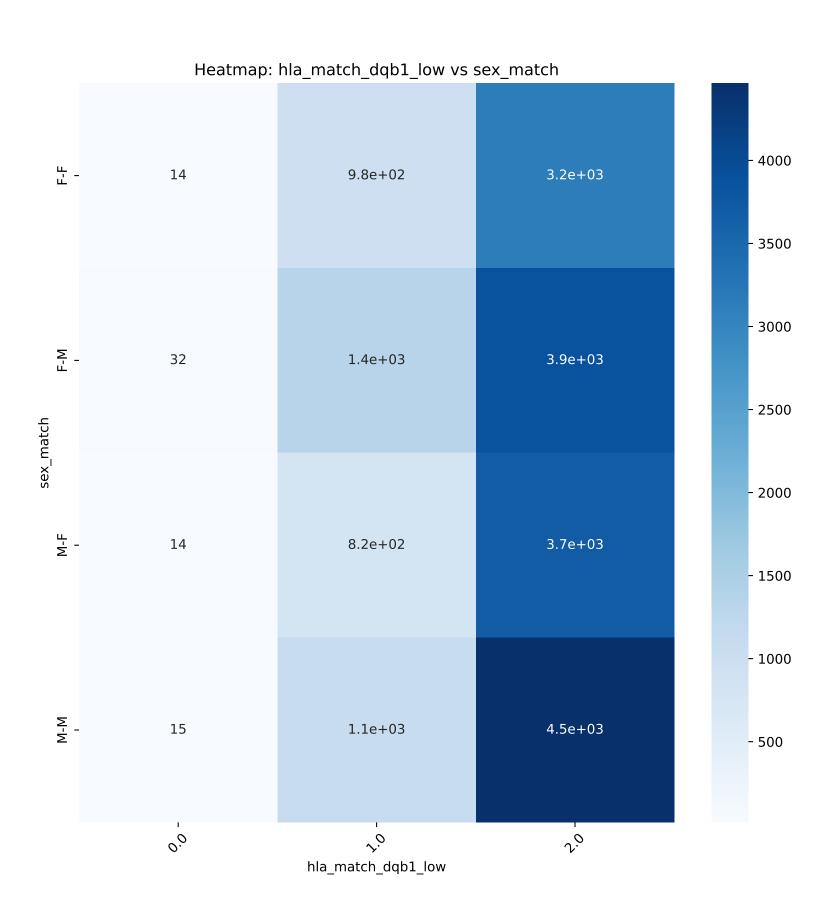


Heatmap: hla\_nmdp\_6 vs sex\_match

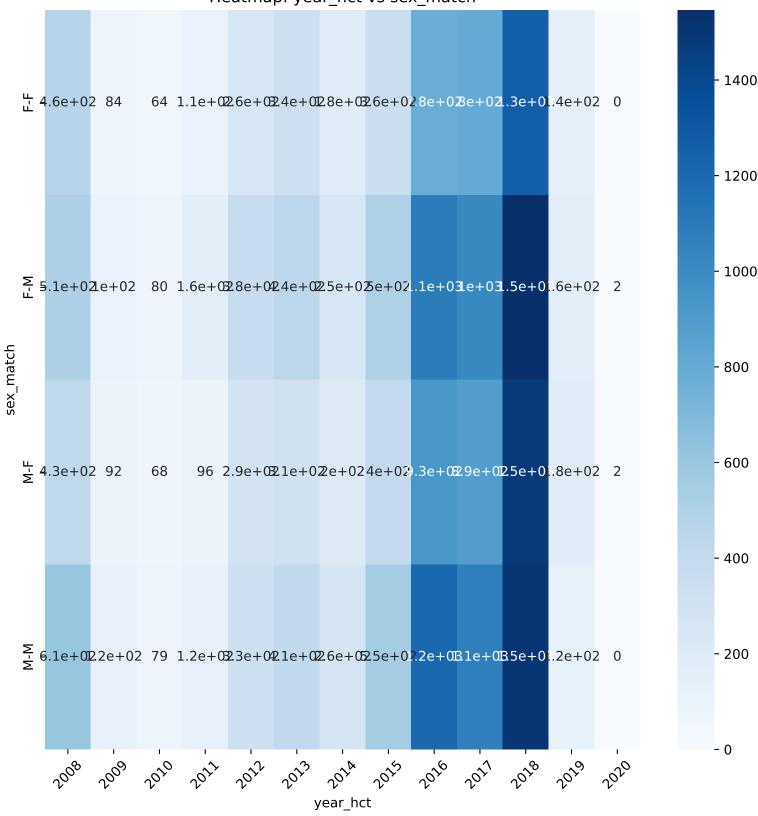


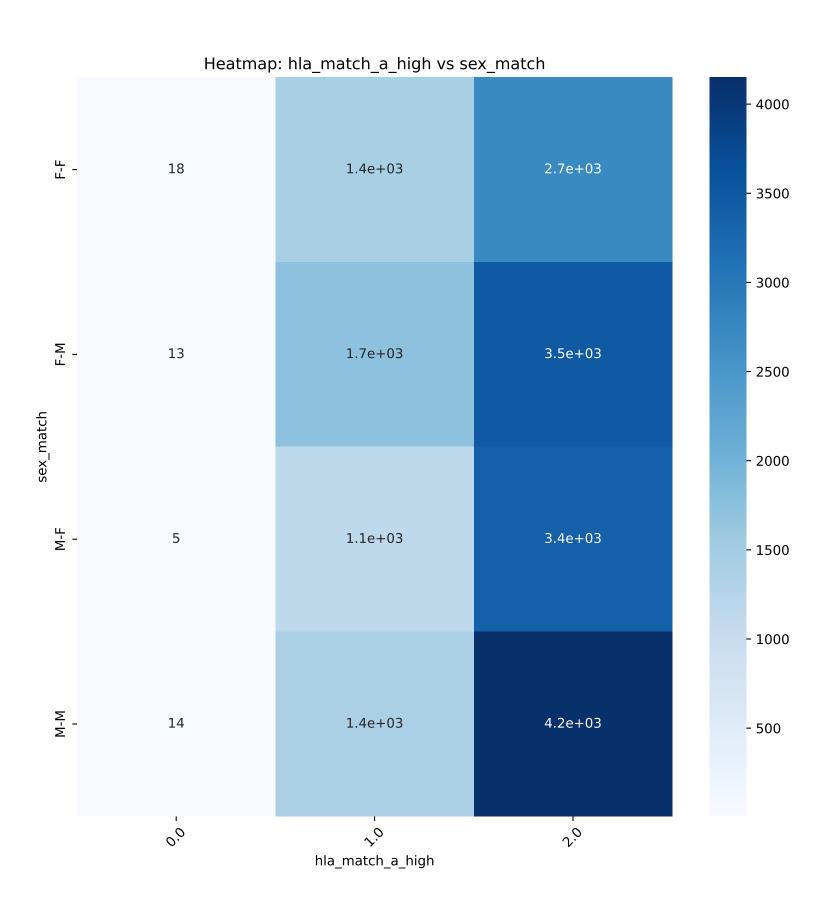


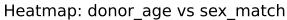


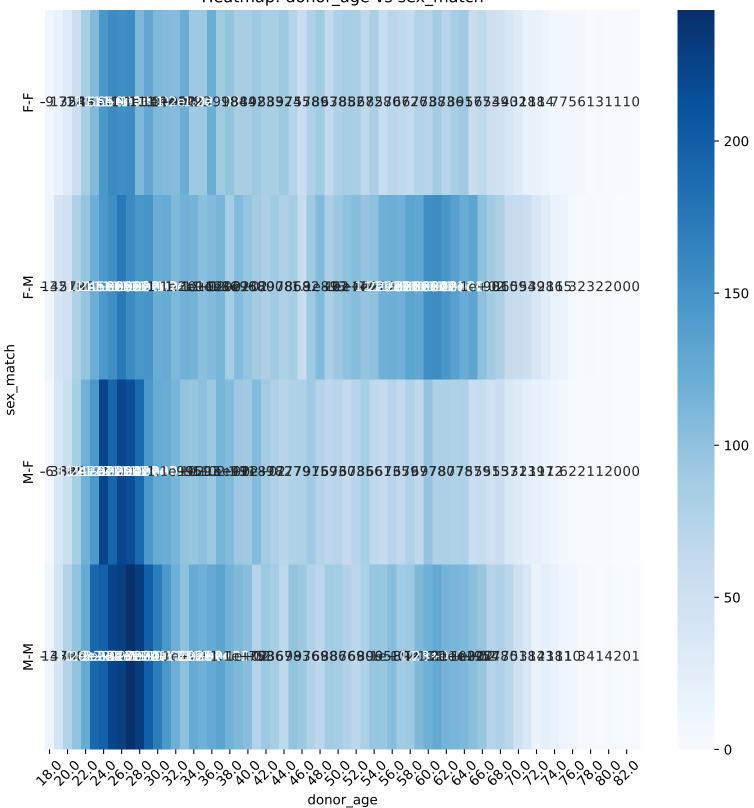


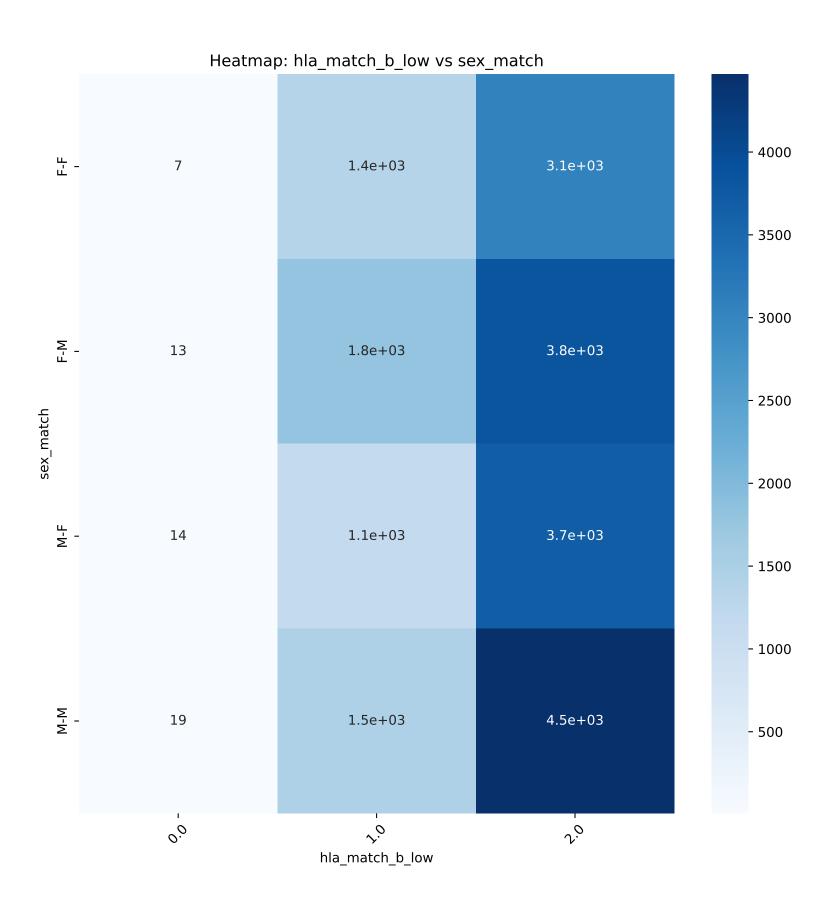
Heatmap: year\_hct vs sex\_match



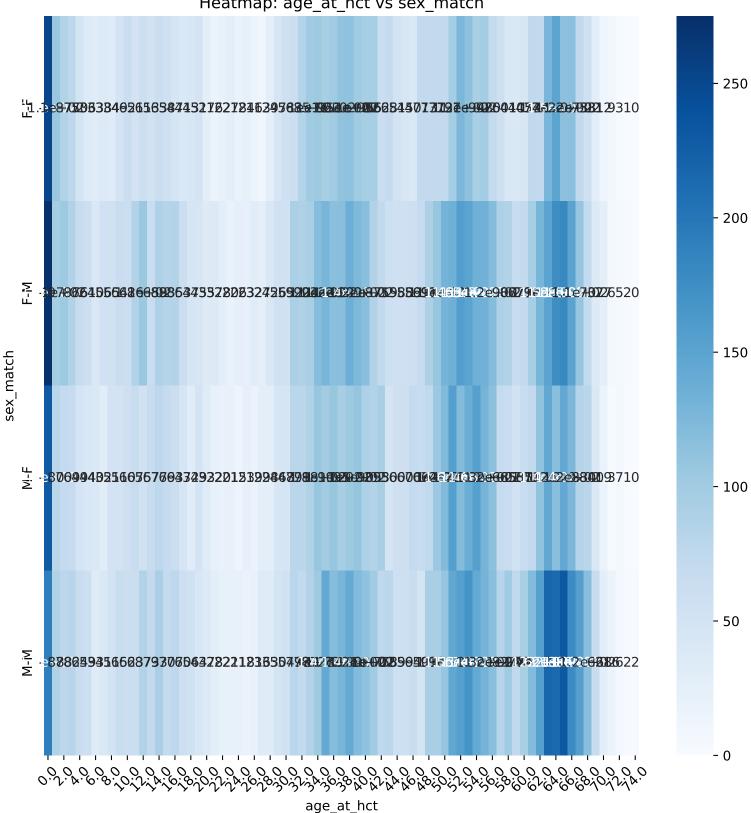


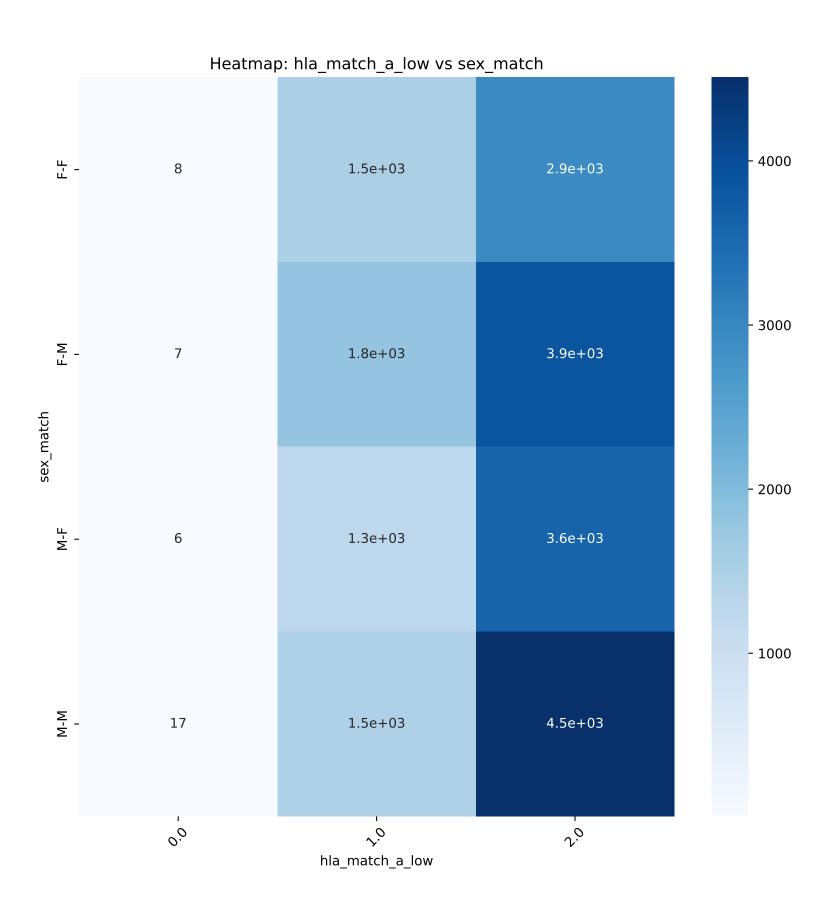


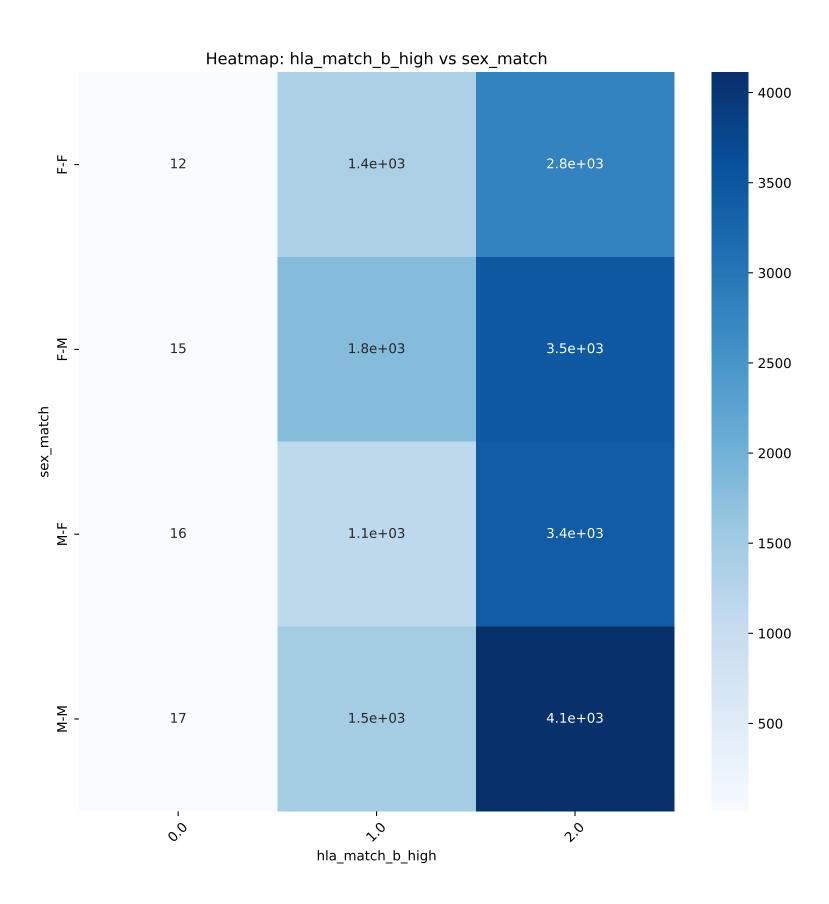


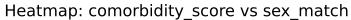


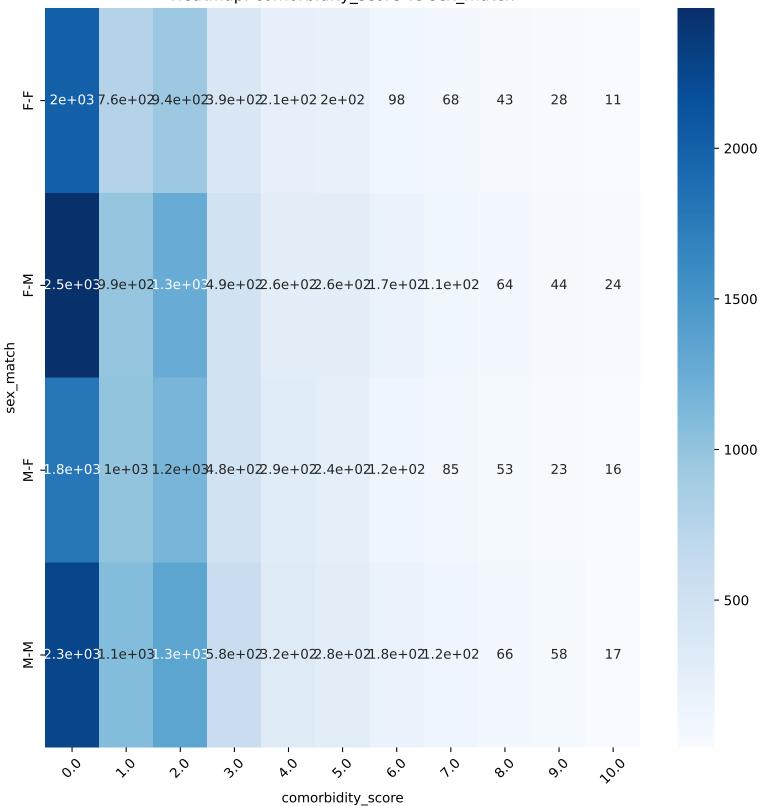
## Heatmap: age\_at\_hct vs sex\_match



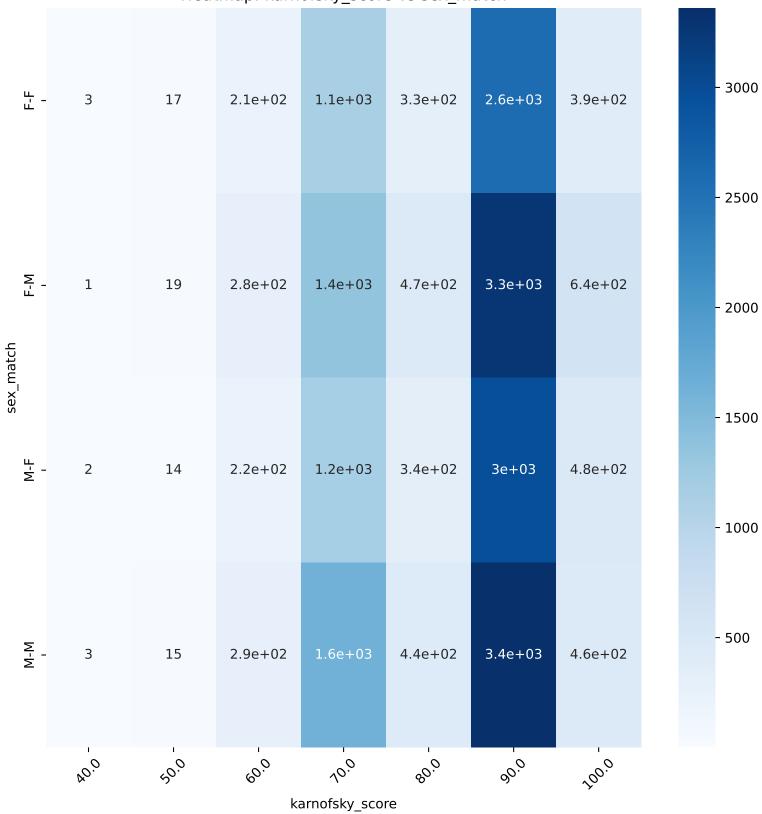




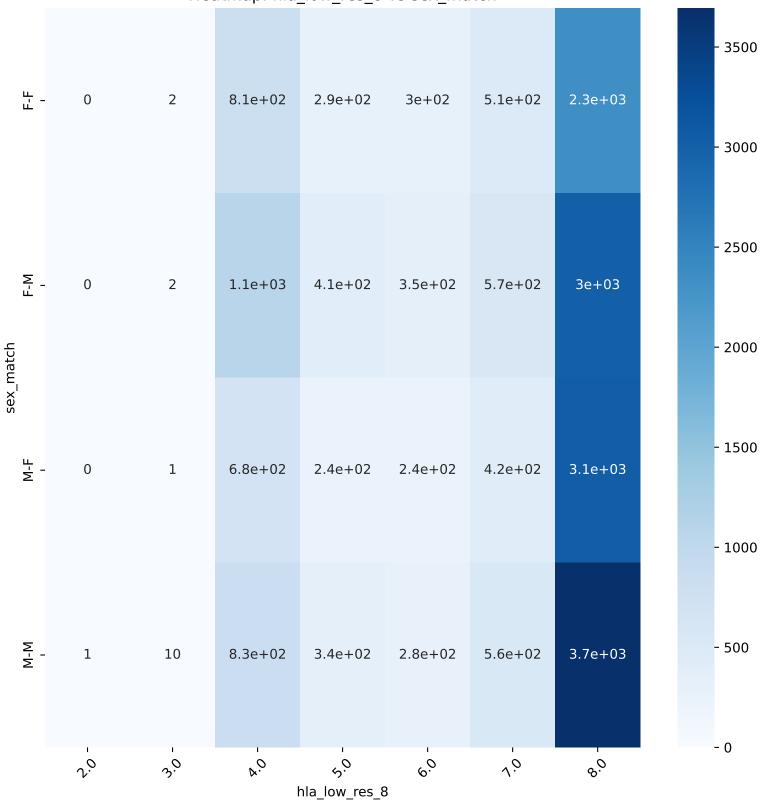


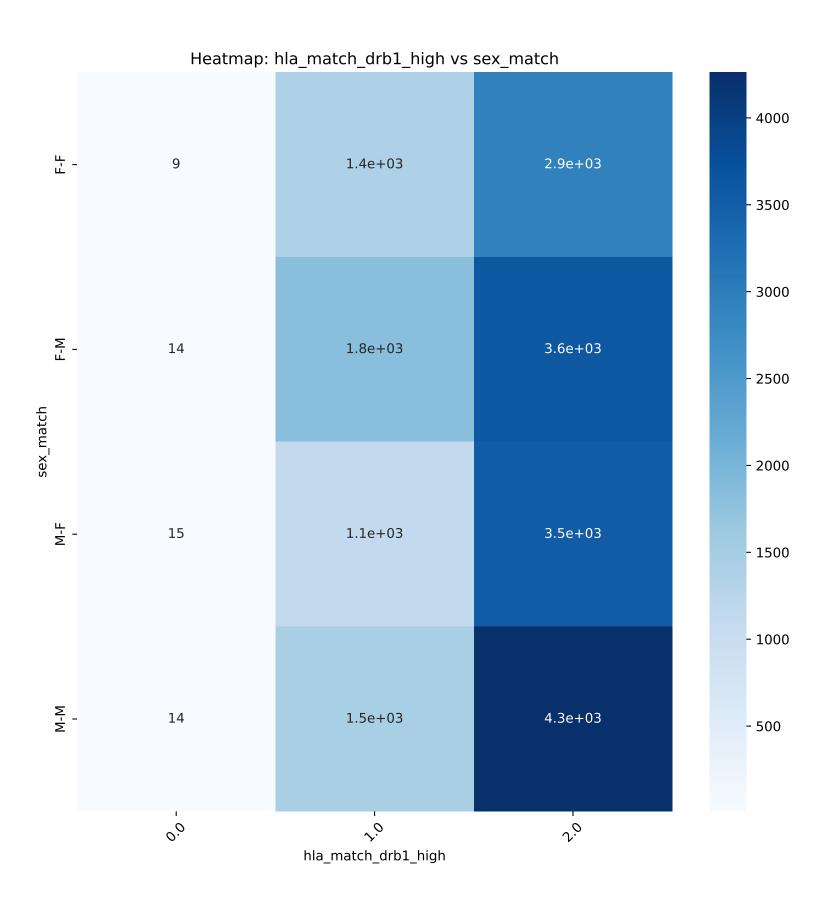


Heatmap: karnofsky\_score vs sex\_match

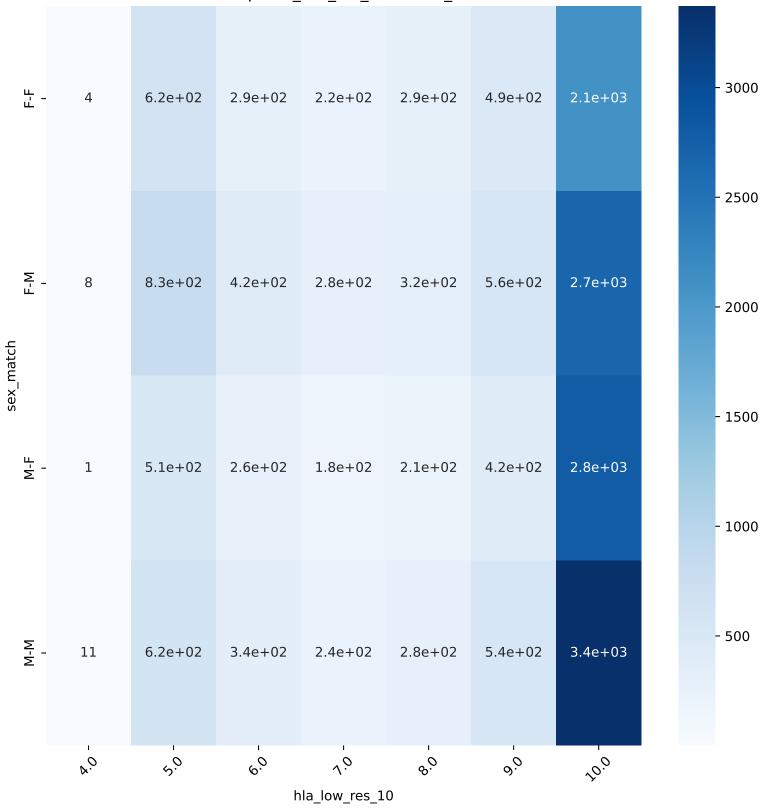


Heatmap: hla\_low\_res\_8 vs sex\_match

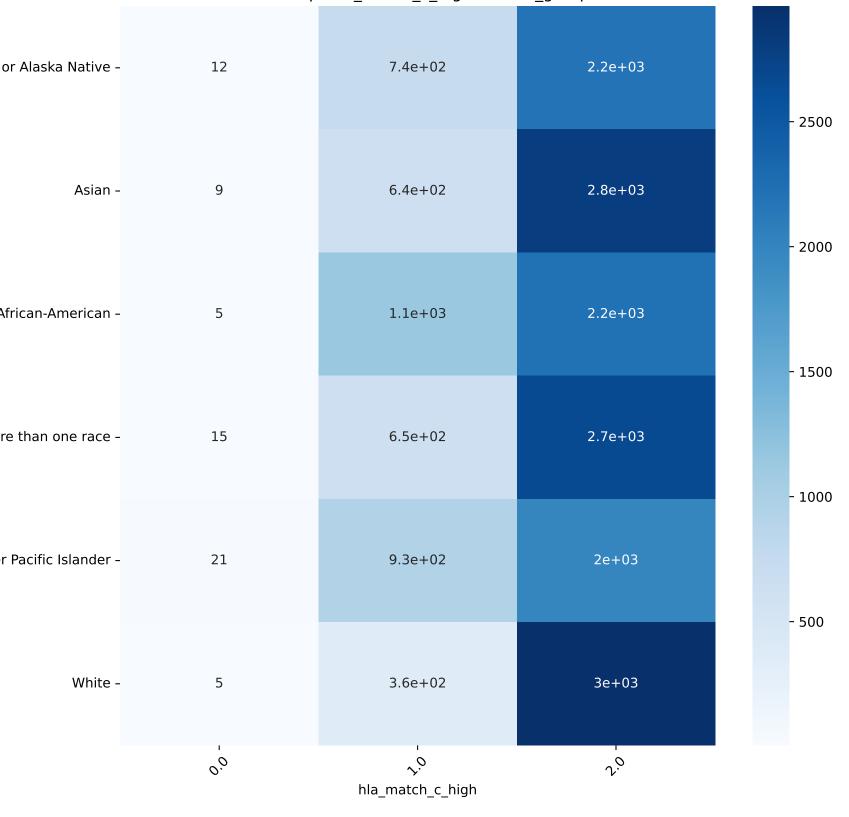




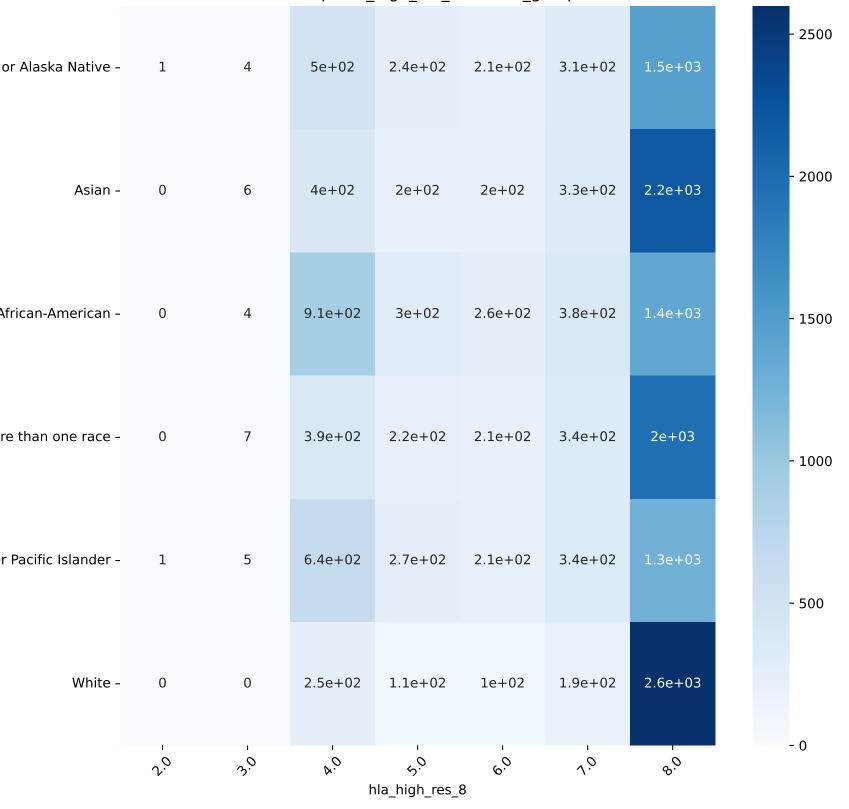
Heatmap: hla\_low\_res\_10 vs sex\_match



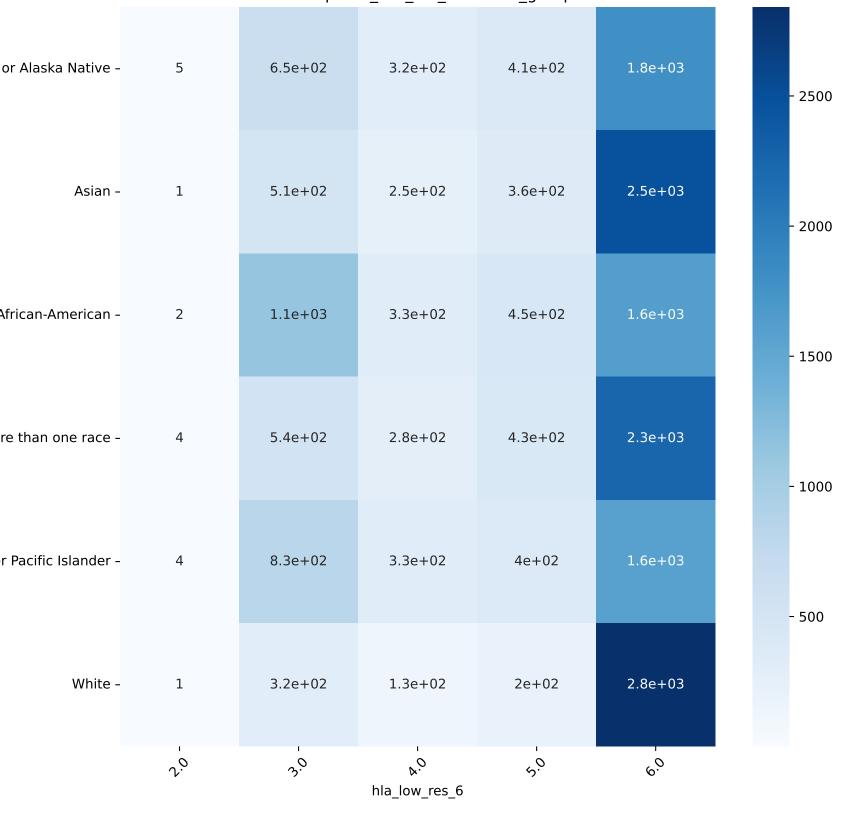
Heatmap: hla\_match\_c\_high vs race\_group



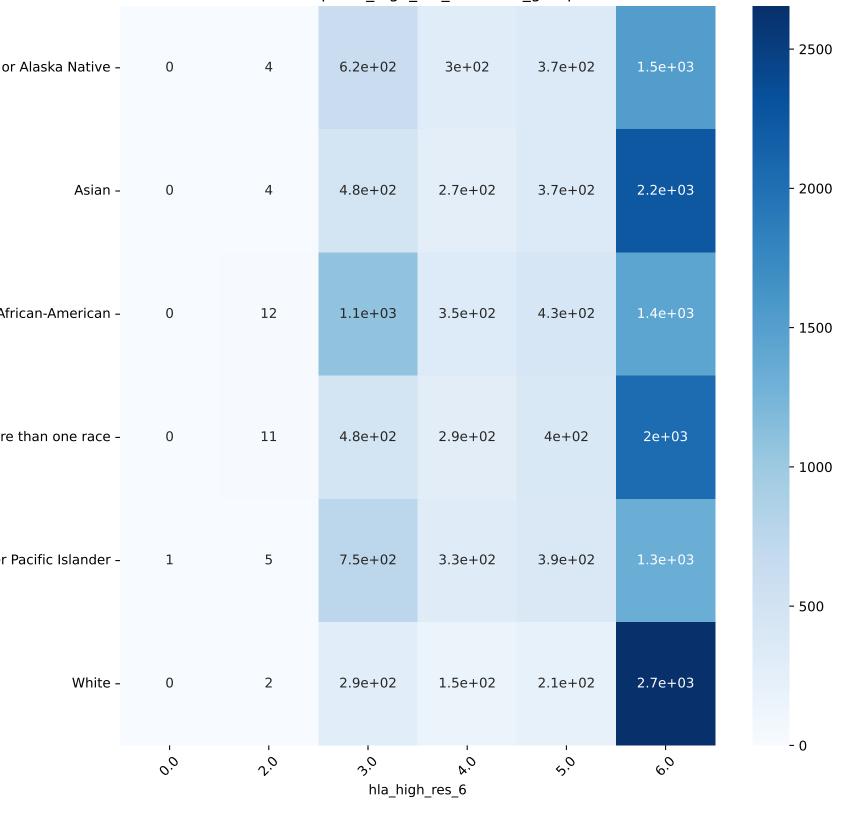
Heatmap: hla\_high\_res\_8 vs race\_group



Heatmap: hla\_low\_res\_6 vs race\_group



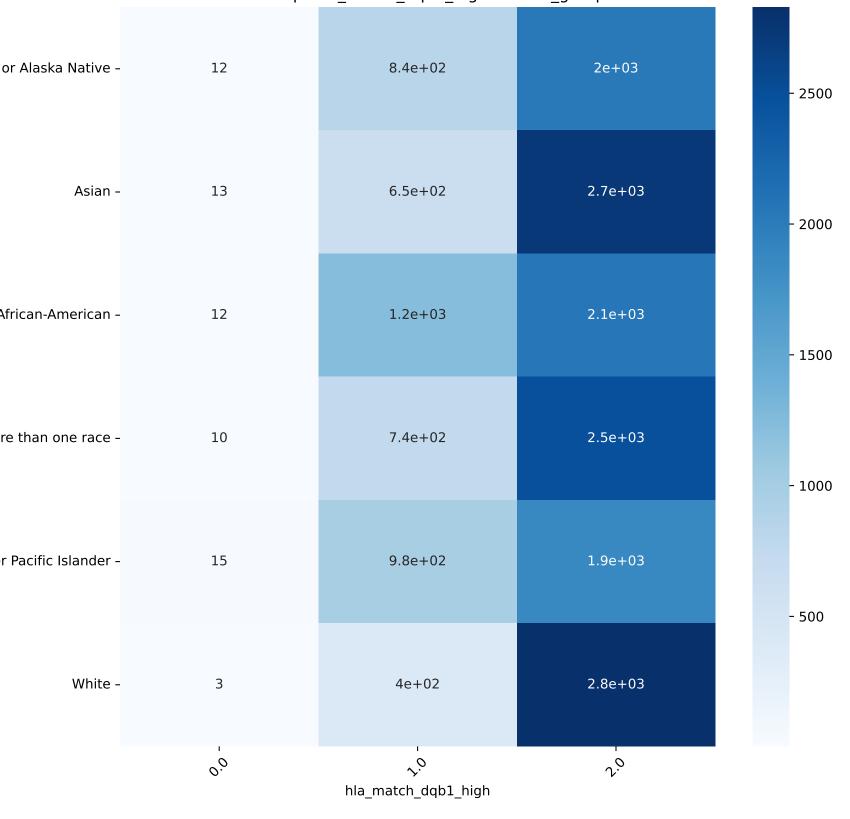
Heatmap: hla\_high\_res\_6 vs race\_group



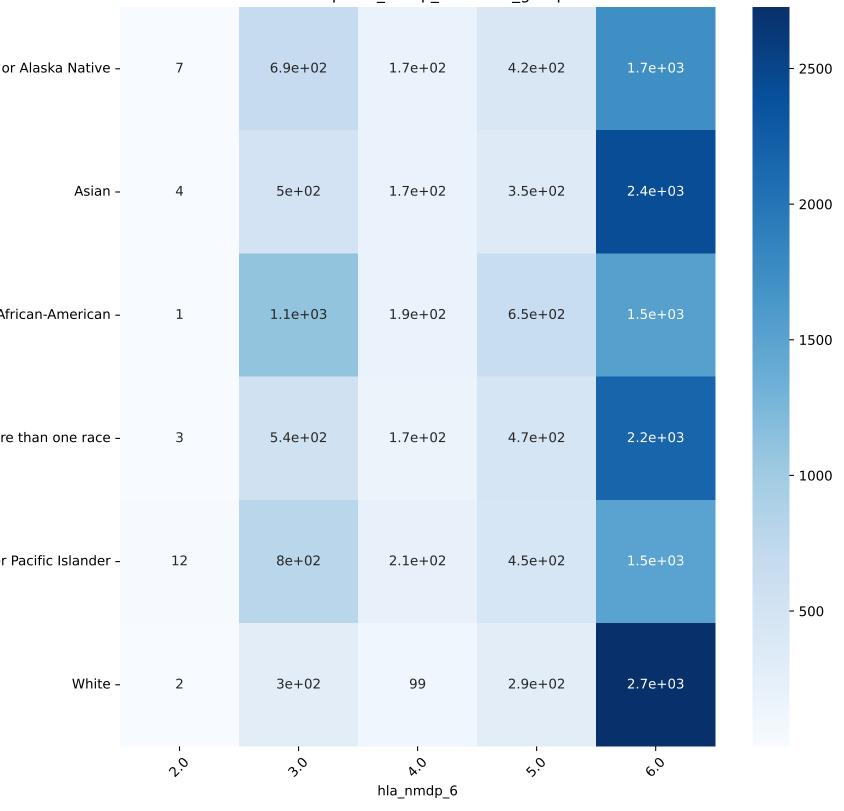
Heatmap: hla\_high\_res\_10 vs race\_group

or Alaska Native -	1	3	4.1e+02	1.8e+02	1.8e+02	1.8e+02	2.9e+02	1.3e+03			
Asian -	0	5	3.1e+02	1.7e+02	1.6e+02	1.8e+02	3.4e+02	2e+03			- 2000
African-American -	0	5	8e+02	2.2e+02	2.1e+02	2.1e+02	3.7e+02	1.2e+03			- 1500
re than one race -	0	4	3.3e+02	1.7e+02	1.6e+02	1.8e+02	3.6e+02	1.8e+03			- 1000
r Pacific Islander -	0	6	5e+02	2.5e+02	1.7e+02	1.9e+02	3.2e+02	1.1e+03		_	- 500
White -	0	0	2e+02	87	75	83	2e+02	2.4e+03			
3.0 %.0 %.0 %.0 %.0 %.0 %.0 %.0 %.0 %.0 %											· U

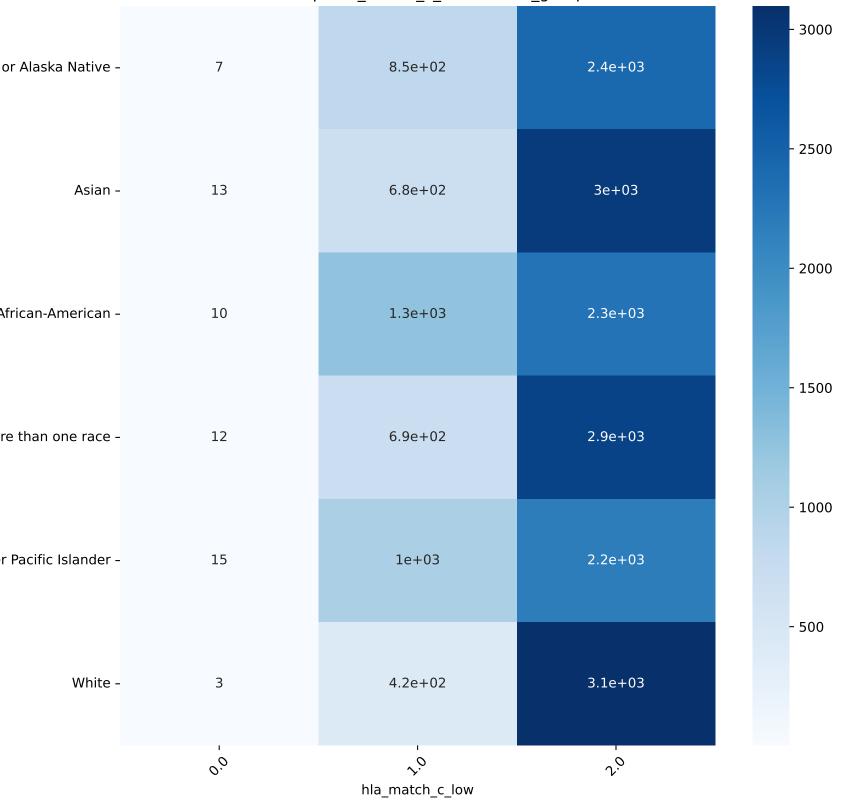
Heatmap: hla\_match\_dqb1\_high vs race\_group

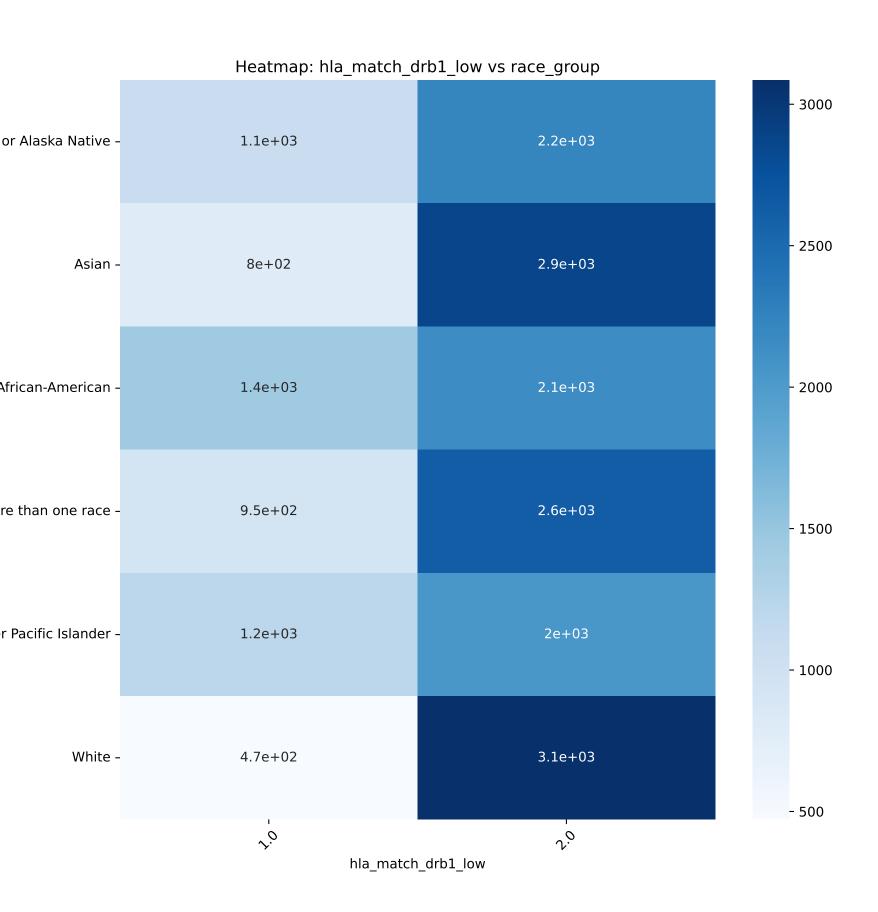


Heatmap: hla\_nmdp\_6 vs race\_group

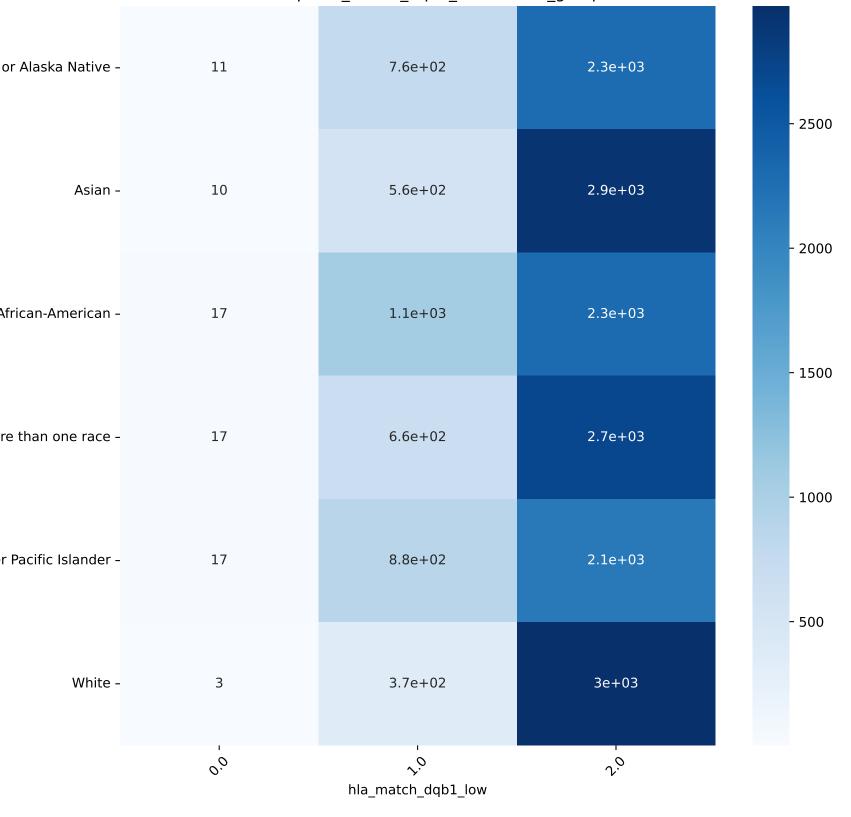


Heatmap: hla\_match\_c\_low vs race\_group

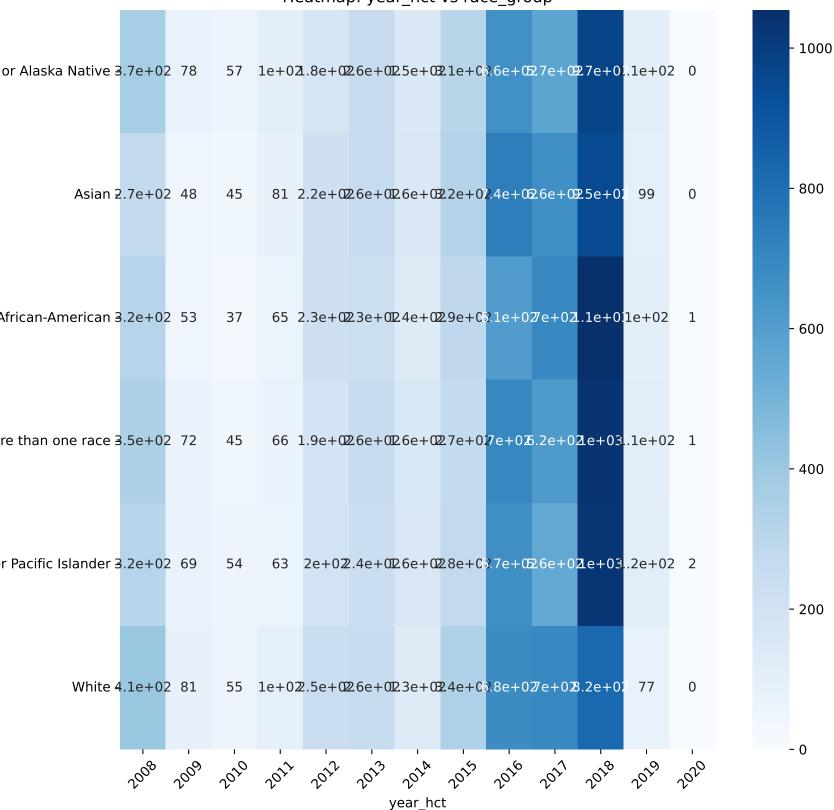




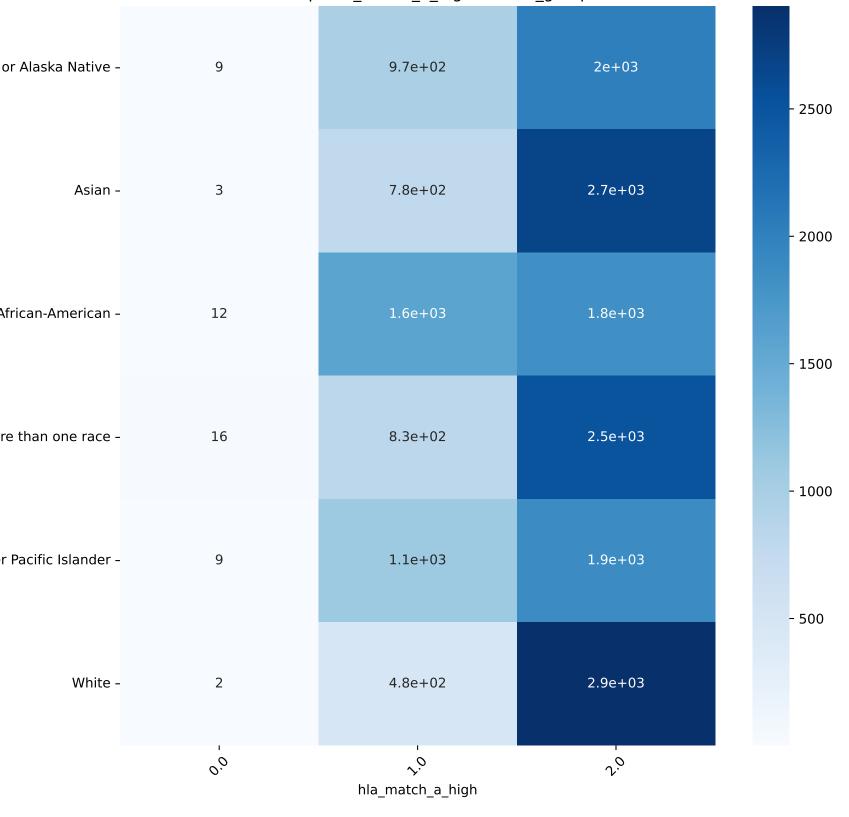
Heatmap: hla\_match\_dqb1\_low vs race\_group



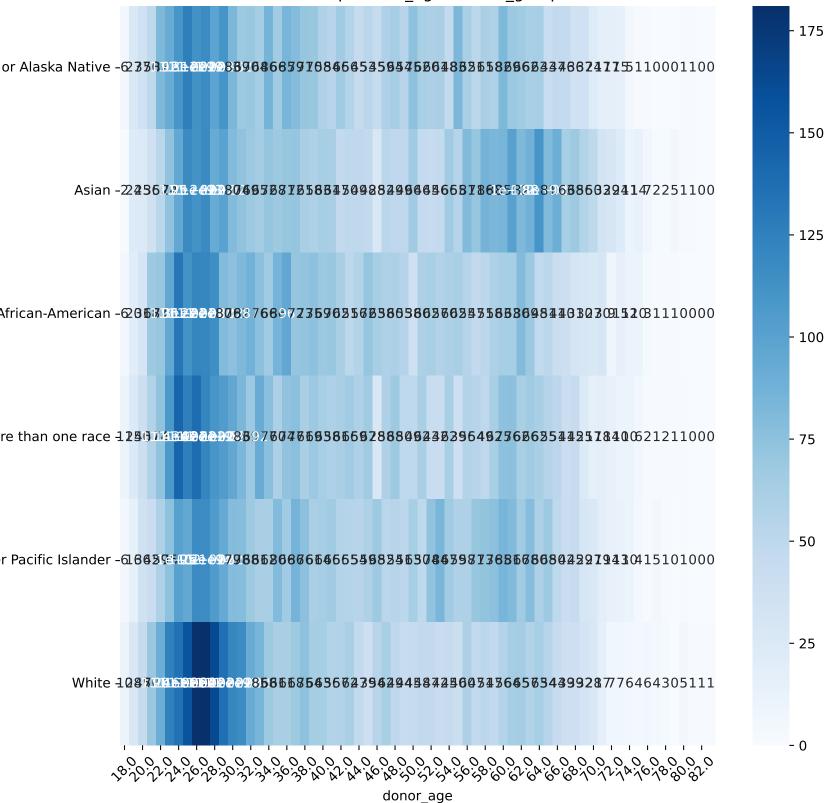
Heatmap: year\_hct vs race\_group



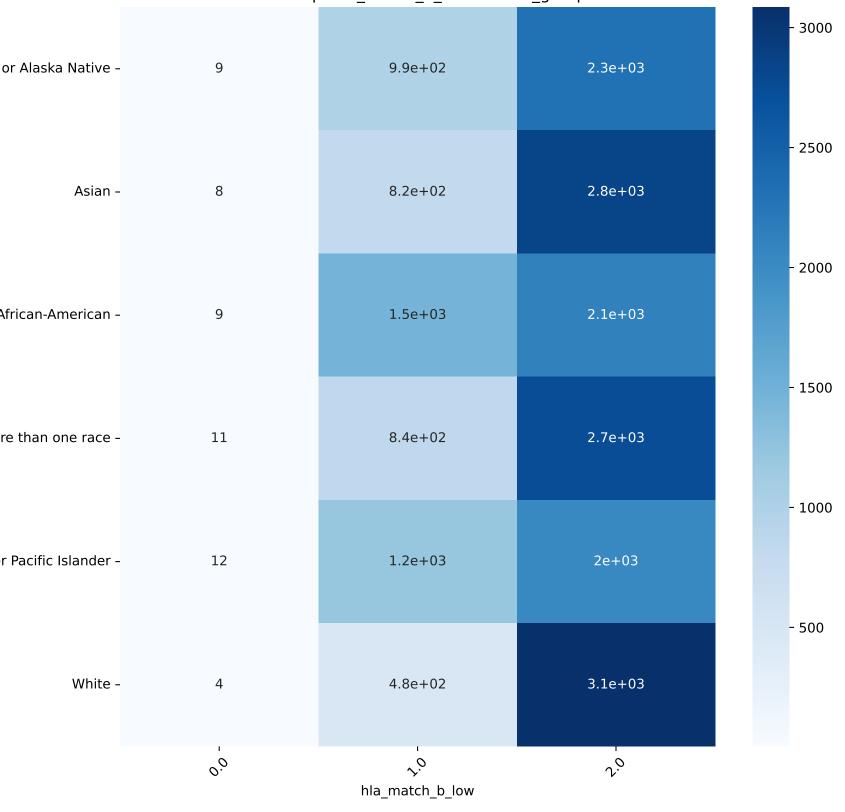
Heatmap: hla\_match\_a\_high vs race\_group



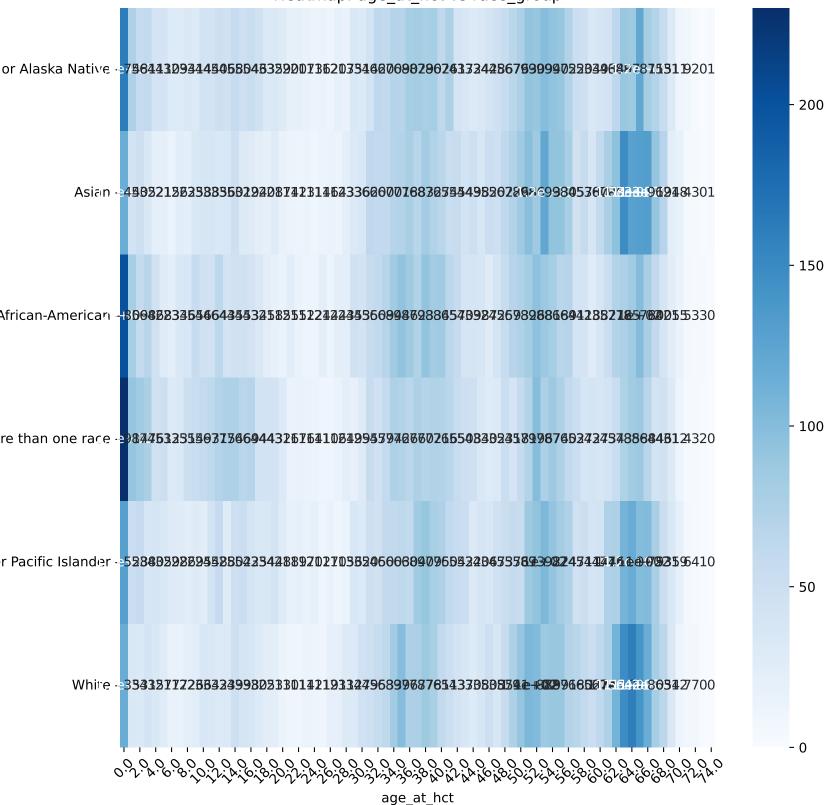
## Heatmap: donor\_age vs race\_group



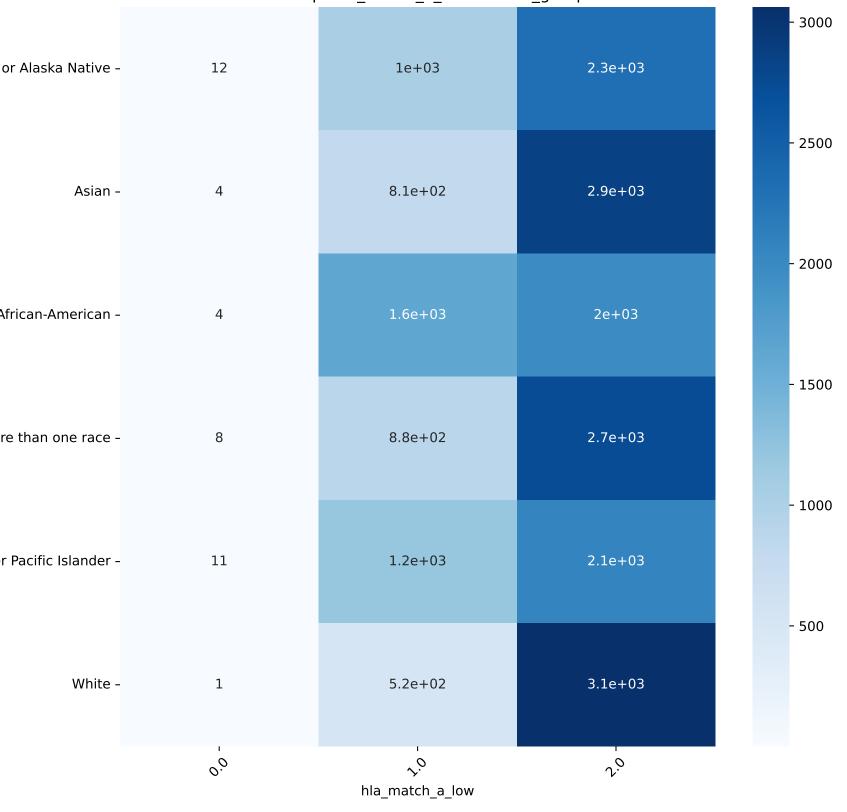
Heatmap: hla\_match\_b\_low vs race\_group



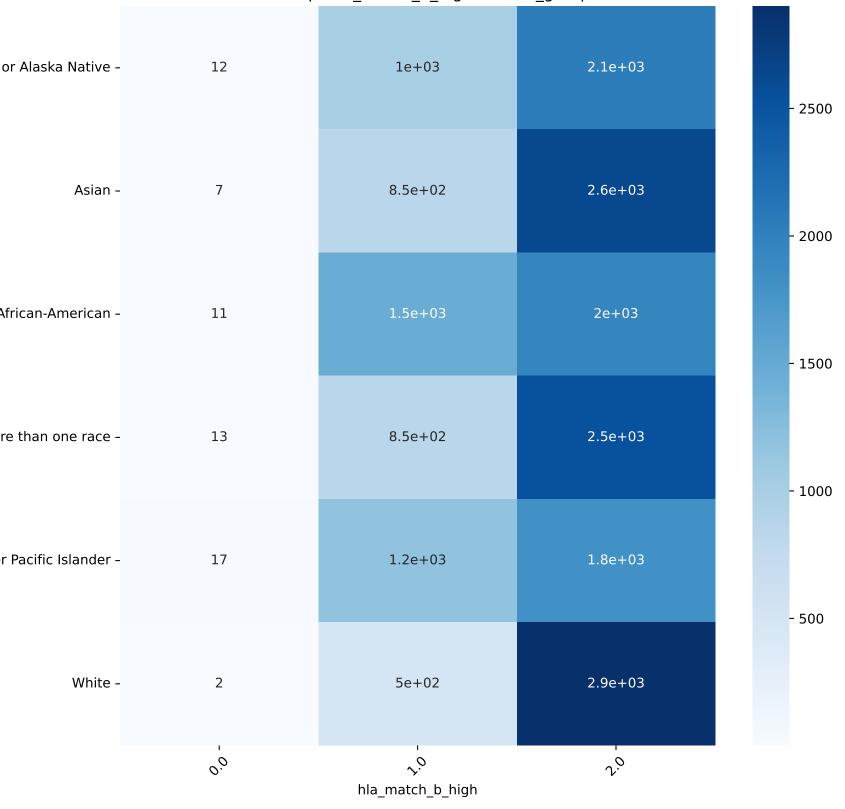
## Heatmap: age\_at\_hct vs race\_group



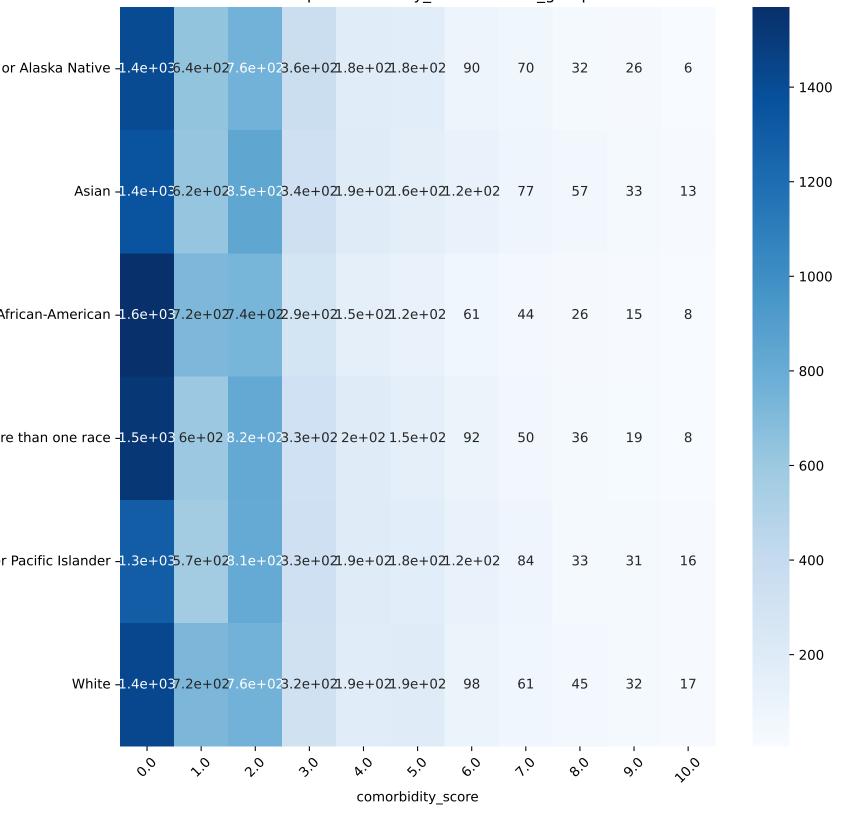
Heatmap: hla\_match\_a\_low vs race\_group



Heatmap: hla\_match\_b\_high vs race\_group



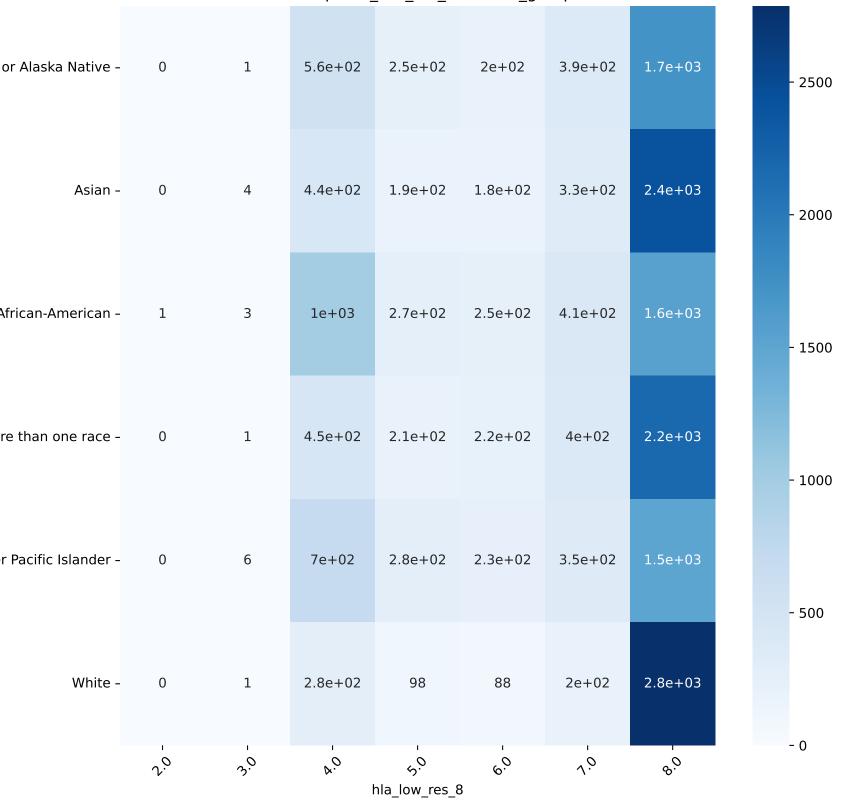
Heatmap: comorbidity\_score vs race\_group

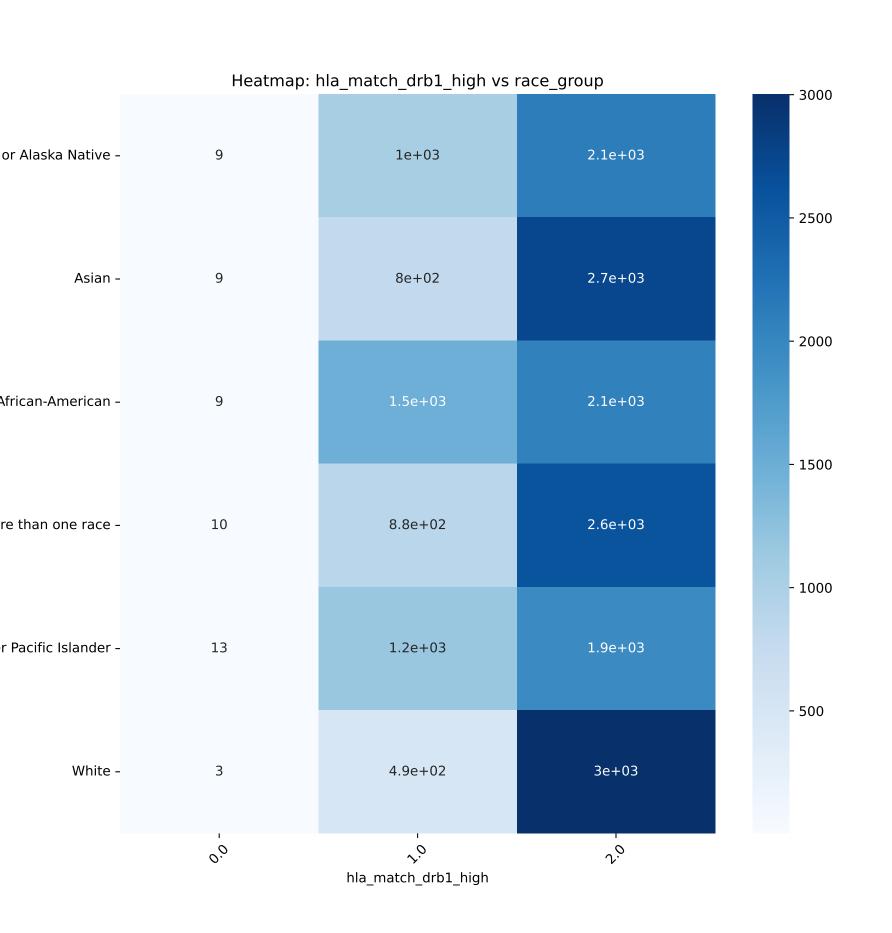


Heatmap: karnofsky\_score vs race\_group

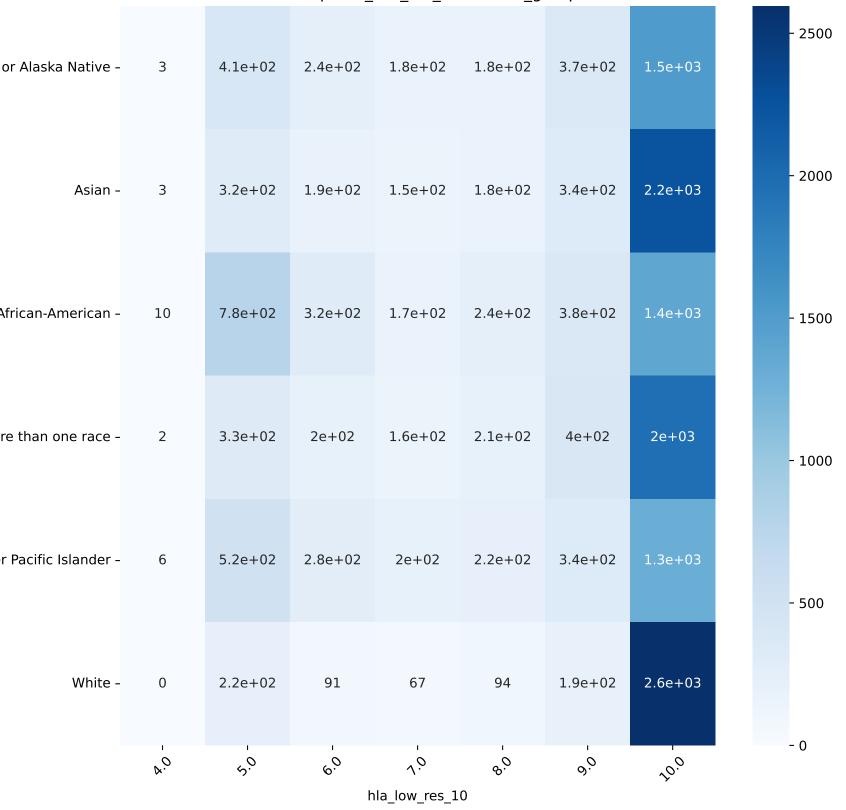
			•	<i>,</i> _					
or Alaska Native -	2	11	1.8e+02	8e+02	2.9e+02	2.1e+03	3.5e+02		- 2000
Asian -	2	20	1.7e+02	1e+03	2.9e+02	2e+03	2.4e+02		- 1750 - 1500
African-American -	2	8	1.7e+02	8.4e+02	2.3e+02	2.1e+03	4.1e+02		- 1250
re than one race -	1	8	1.6e+02	8e+02	2.4e+02	2.1e+03	4.2e+02		- 1000 - 750
r Pacific Islander -	2	8	1.7e+02	8.6e+02	3.3e+02	1.9e+03	3.3e+02		- 500
White -	0	10	1.7e+02	1.1e+03	2.3e+02	2.1e+03	2.3e+02		- 250
	,o.	50°.	60,0 ki	رم مrnofsky_sco	%0.0	90,0	2000		- 0
Kalliulsky_scule									

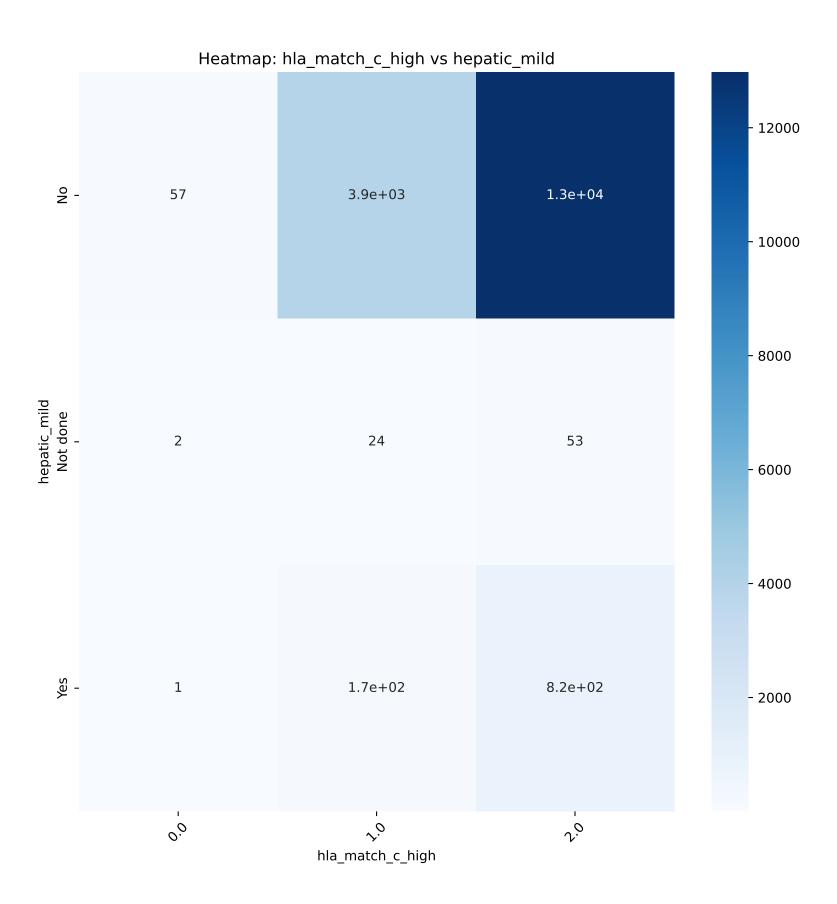
Heatmap: hla\_low\_res\_8 vs race\_group

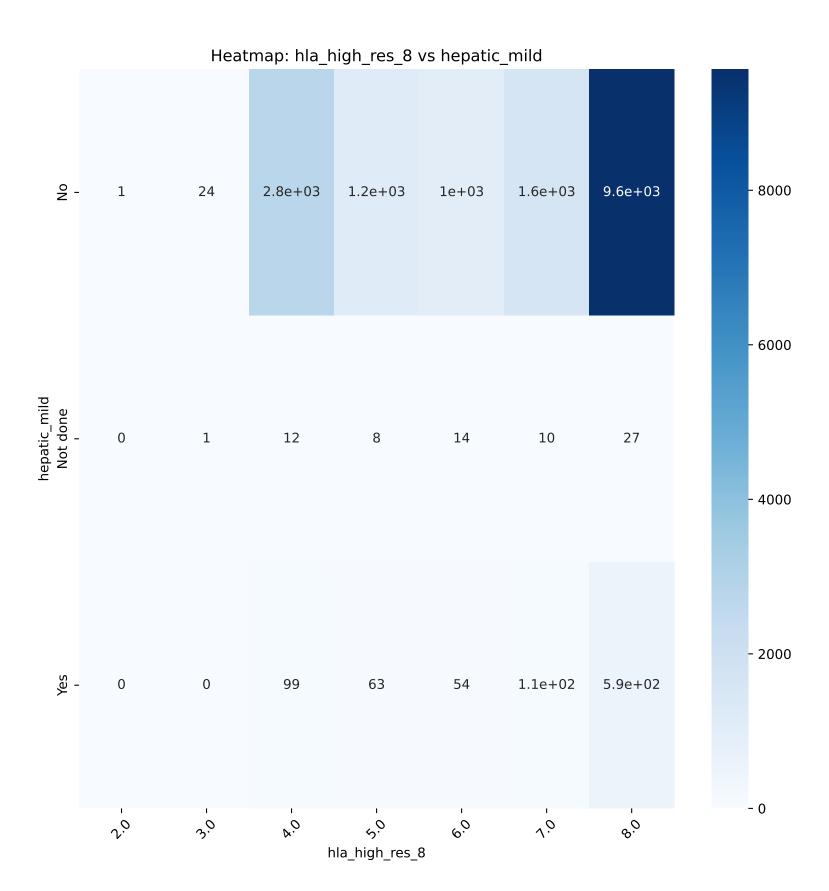


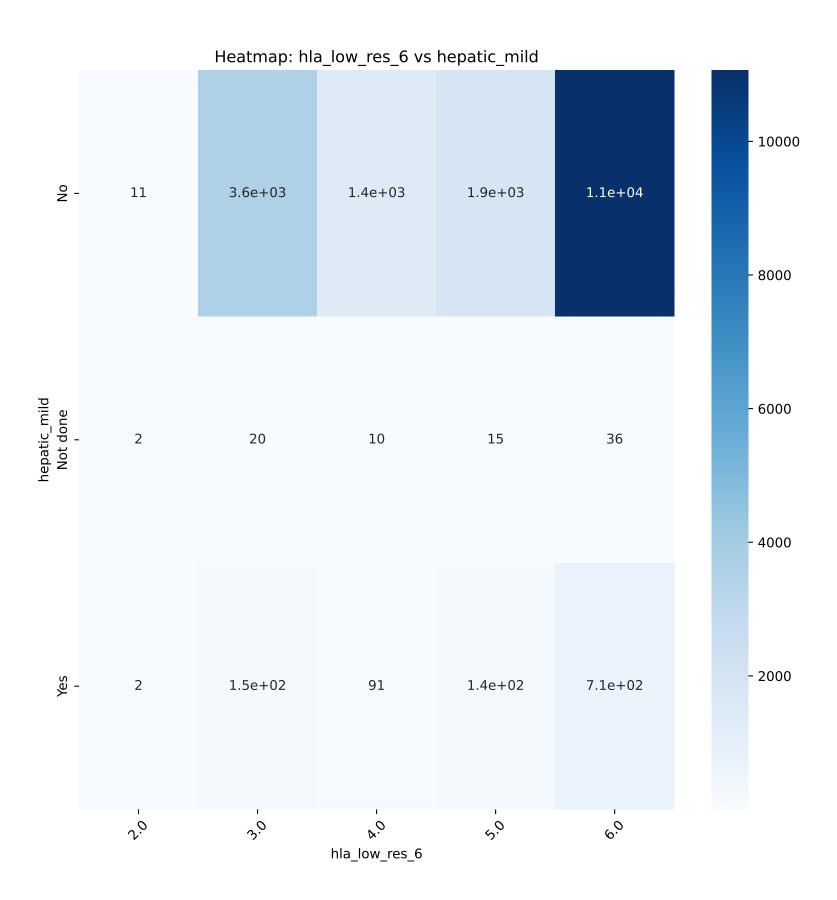


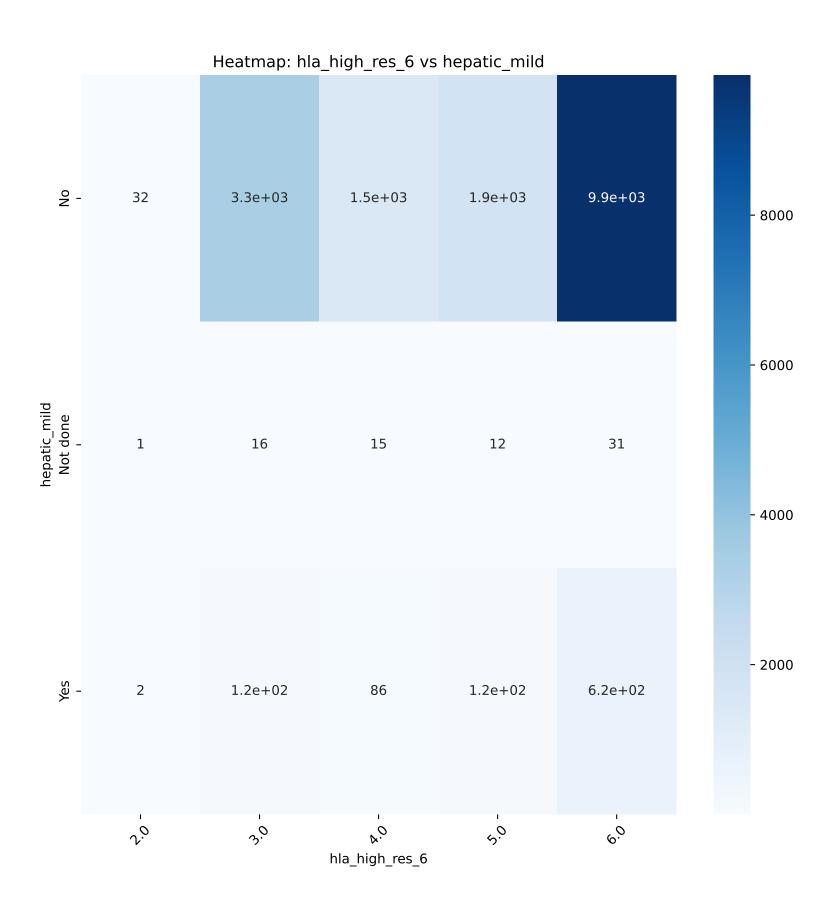
Heatmap: hla\_low\_res\_10 vs race\_group





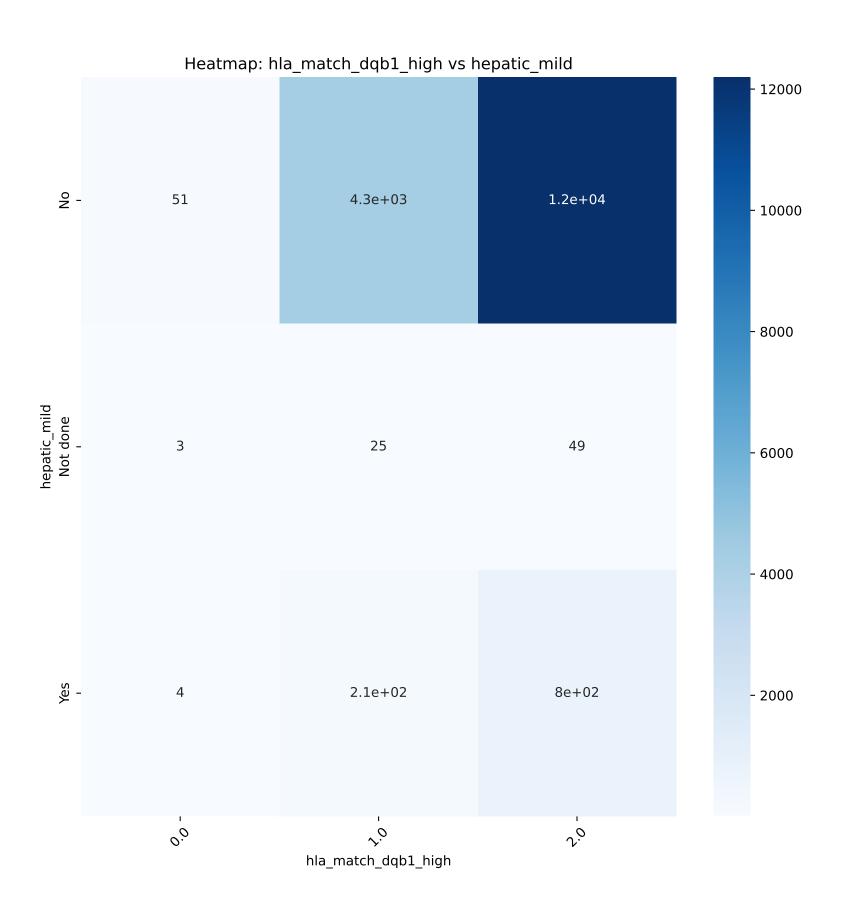


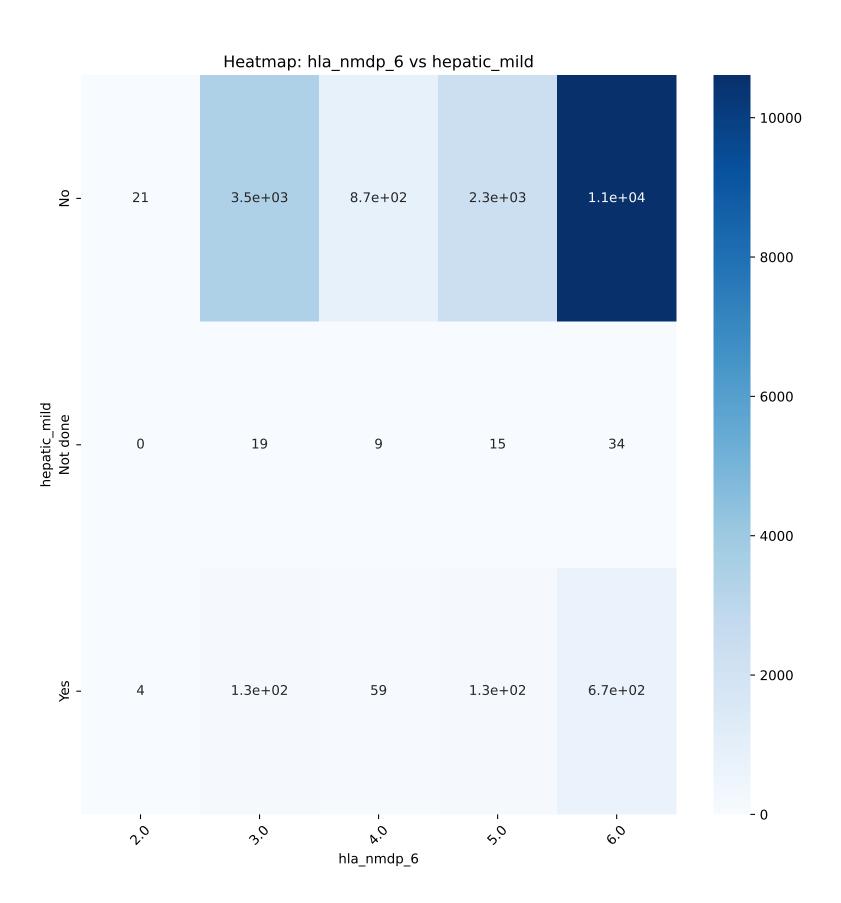


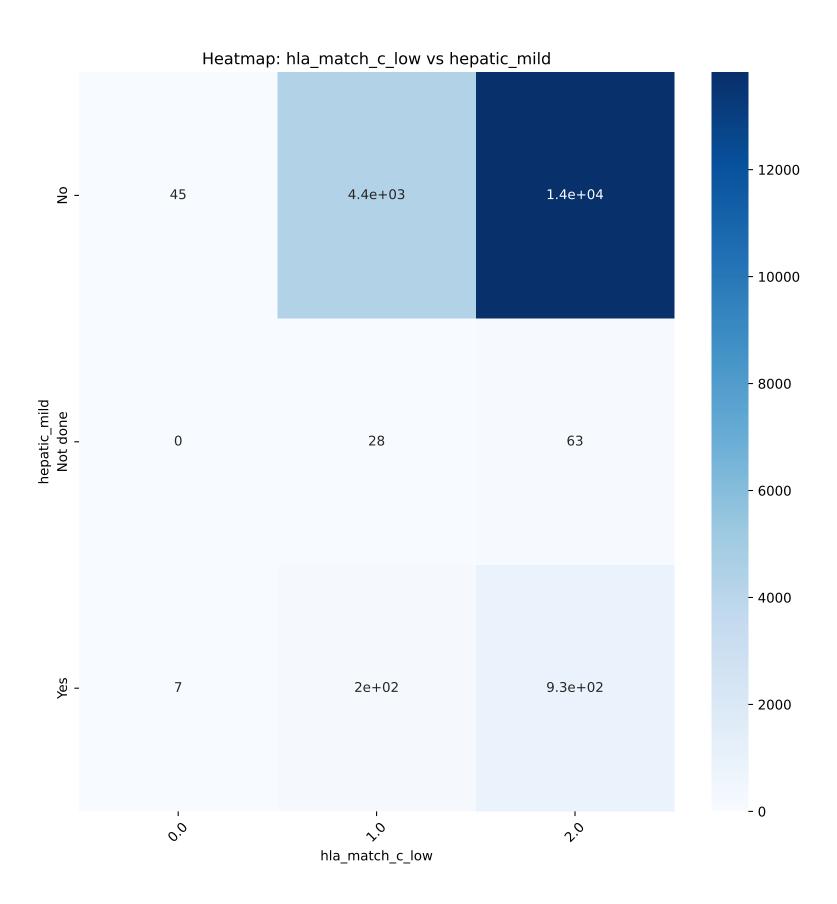


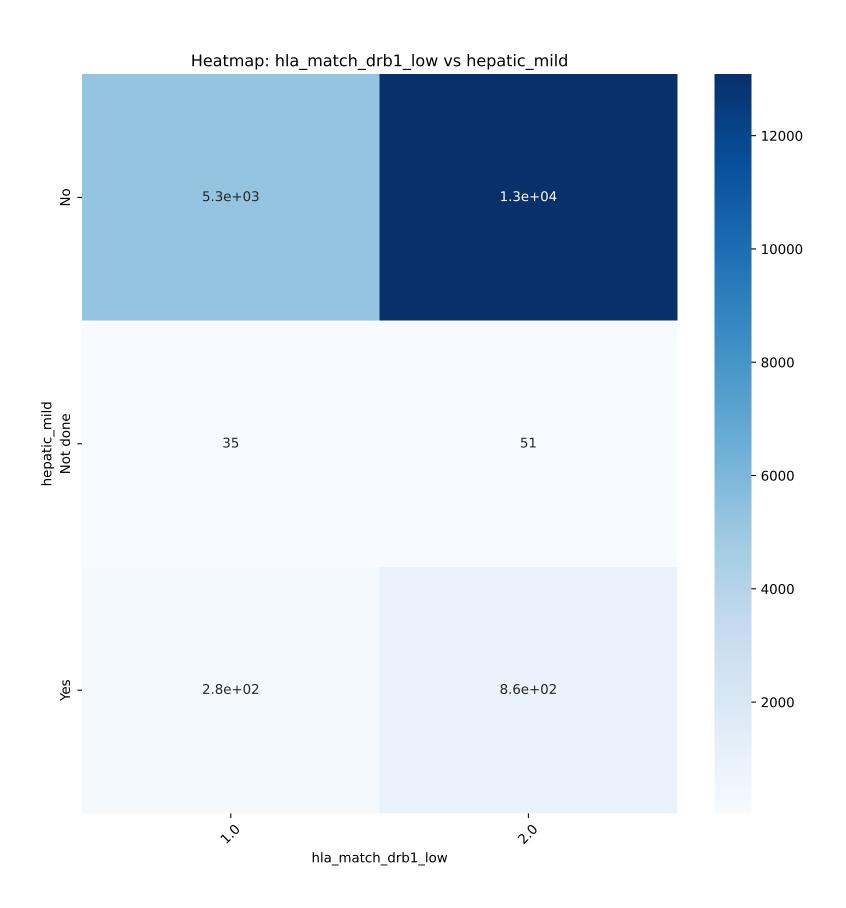
Heatmap: hla\_high\_res\_10 vs hepatic\_mild - 8000 ဍိ -1 17 2.3e+03 9.6e+02 8.2e+02 8.7e+02 1.6e+03 8.6e+03 - 7000 6000 - 5000 hepatic\_mild Not done ' 1 8 7 8 15 24 0 4 - 4000 - 3000 - 2000 Yes -1 73 1.2e+02 5.3e+02 47 47 52 - 1000 - 0 8.0 \$. 0 °. 10

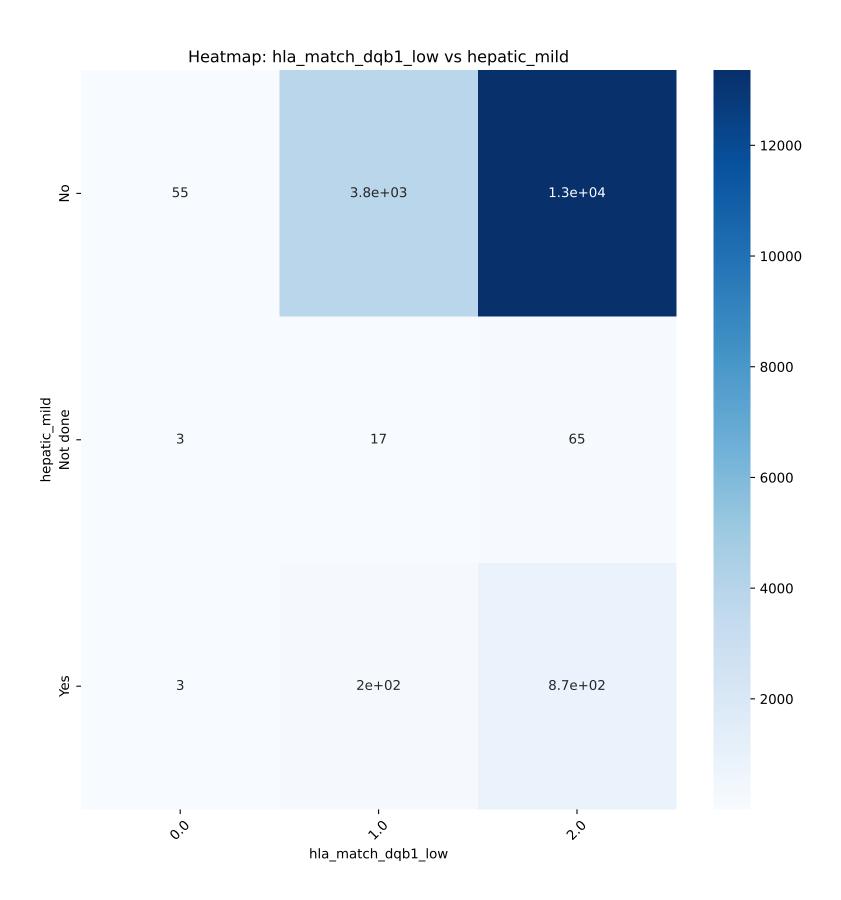
hla\_high\_res\_10

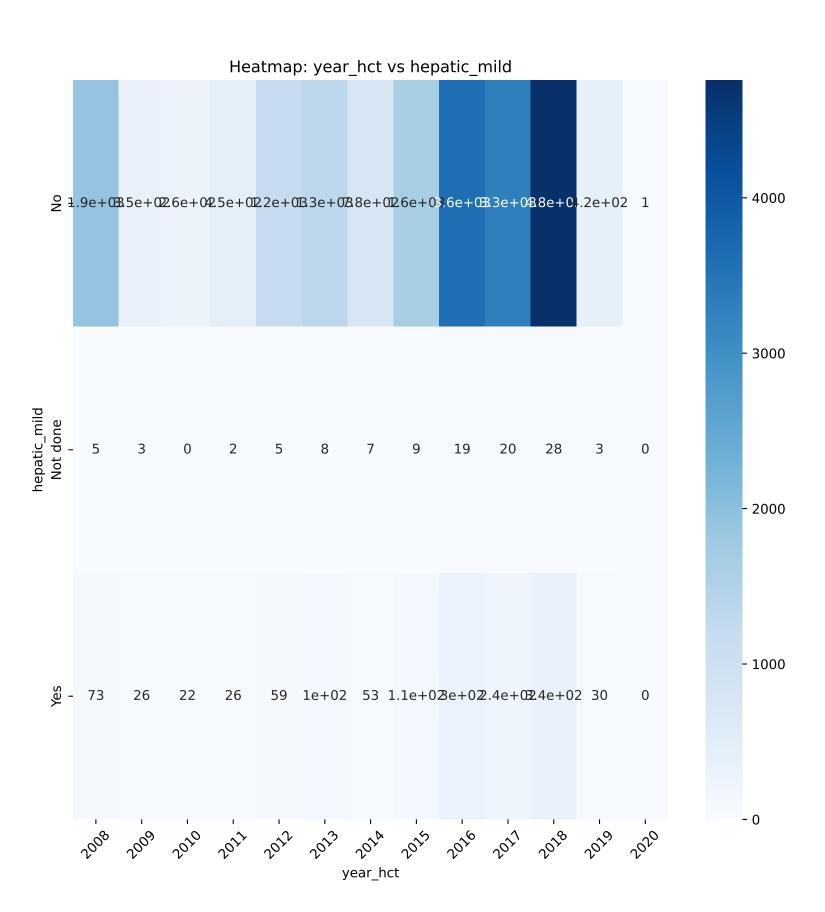


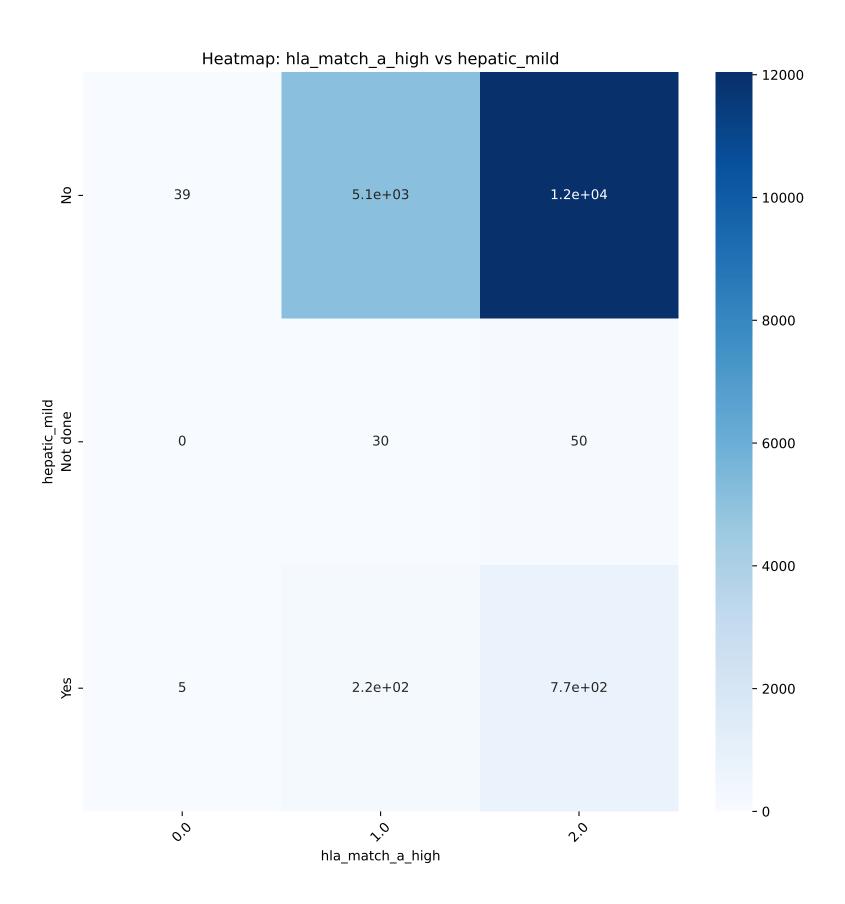




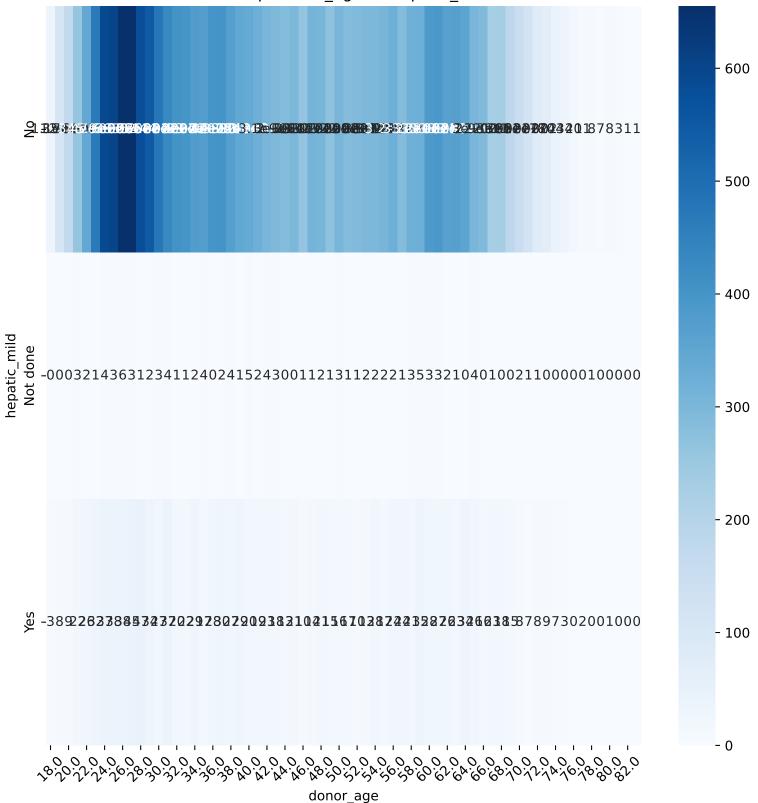


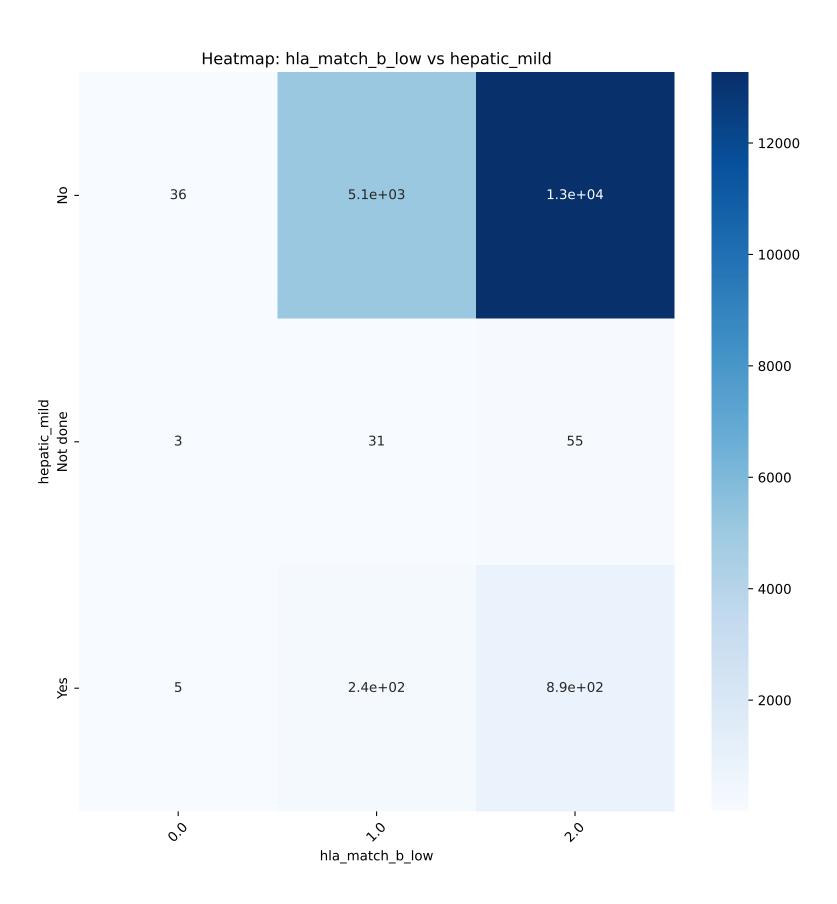




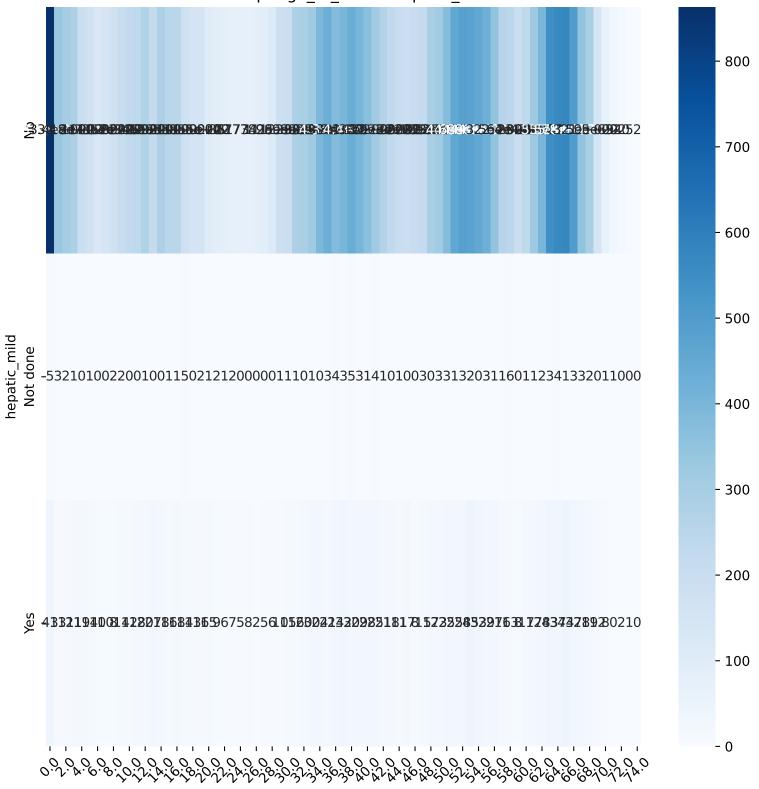


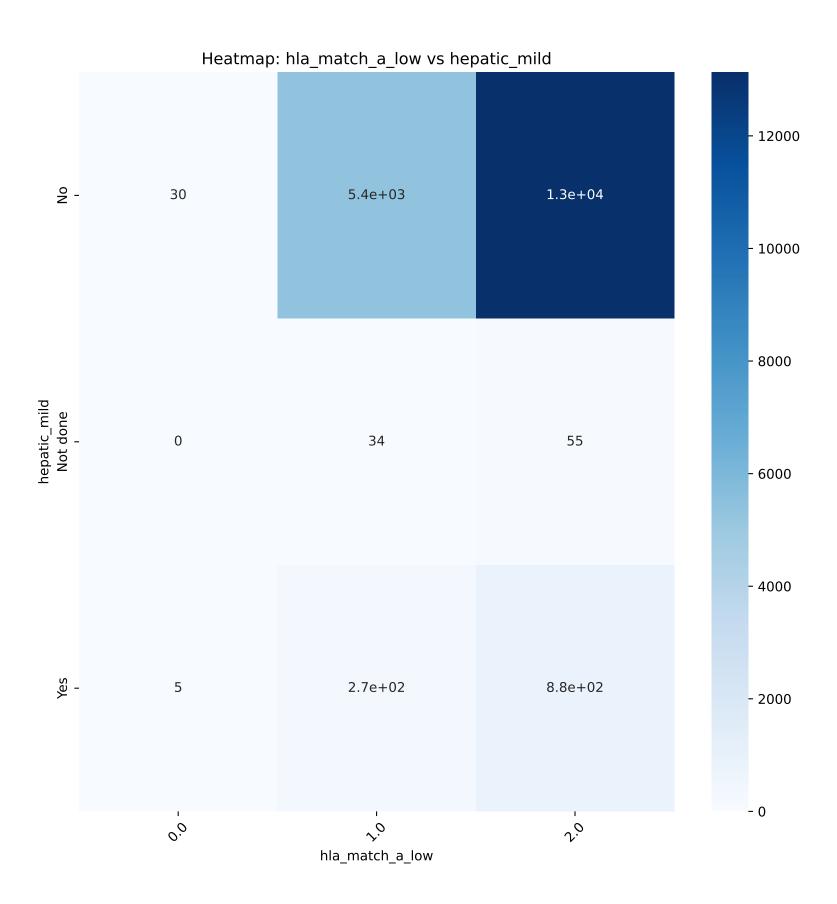
## Heatmap: donor\_age vs hepatic\_mild

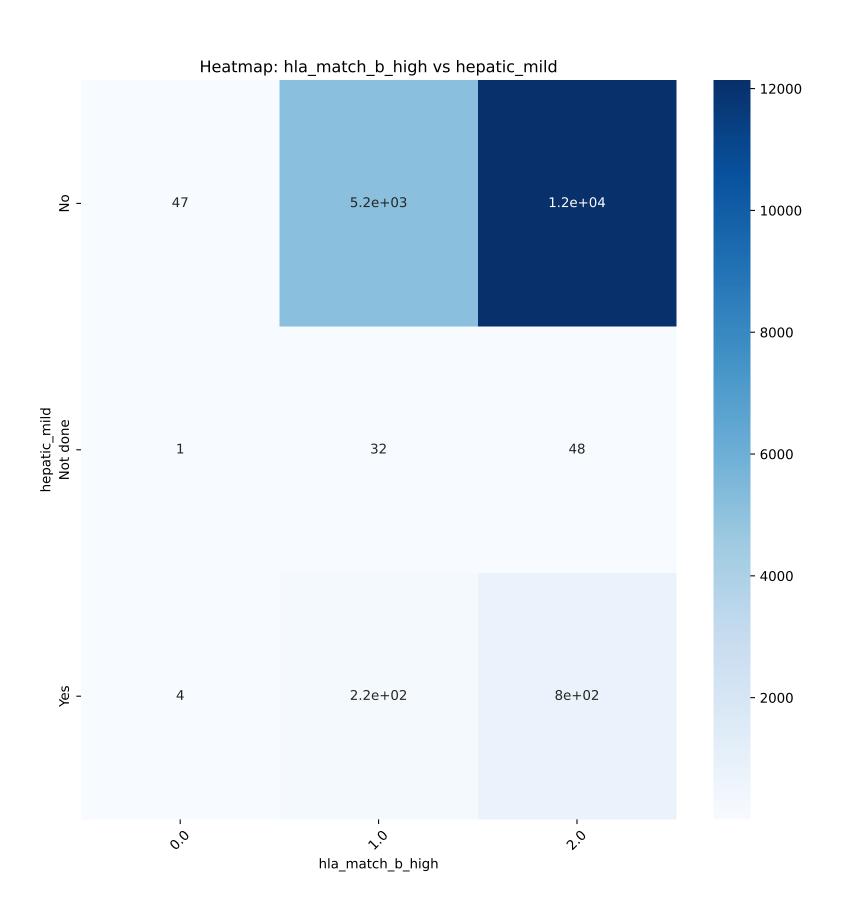


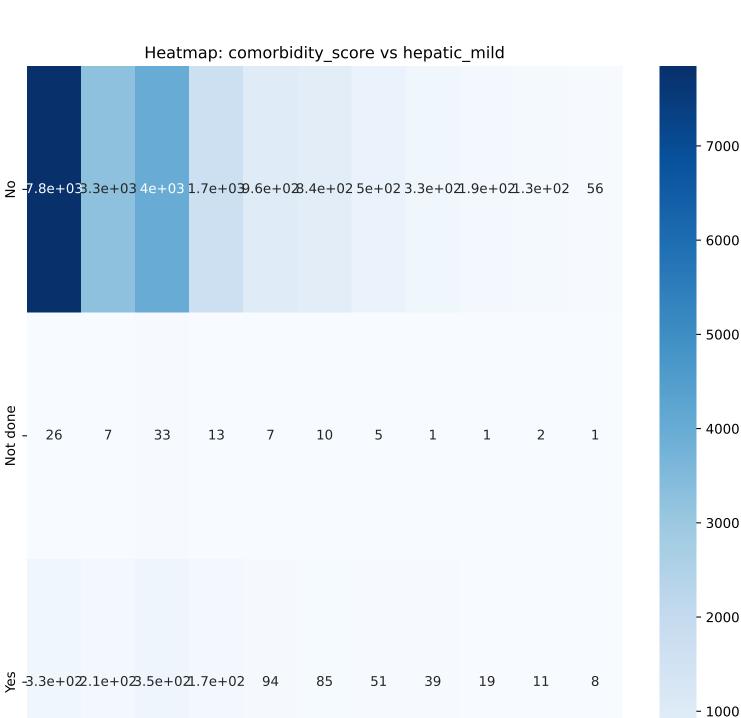


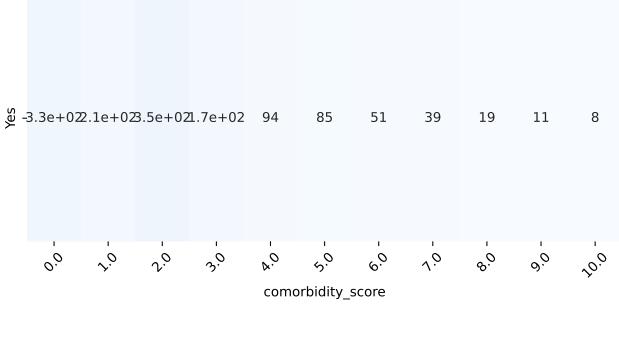
## Heatmap: age\_at\_hct vs hepatic\_mild



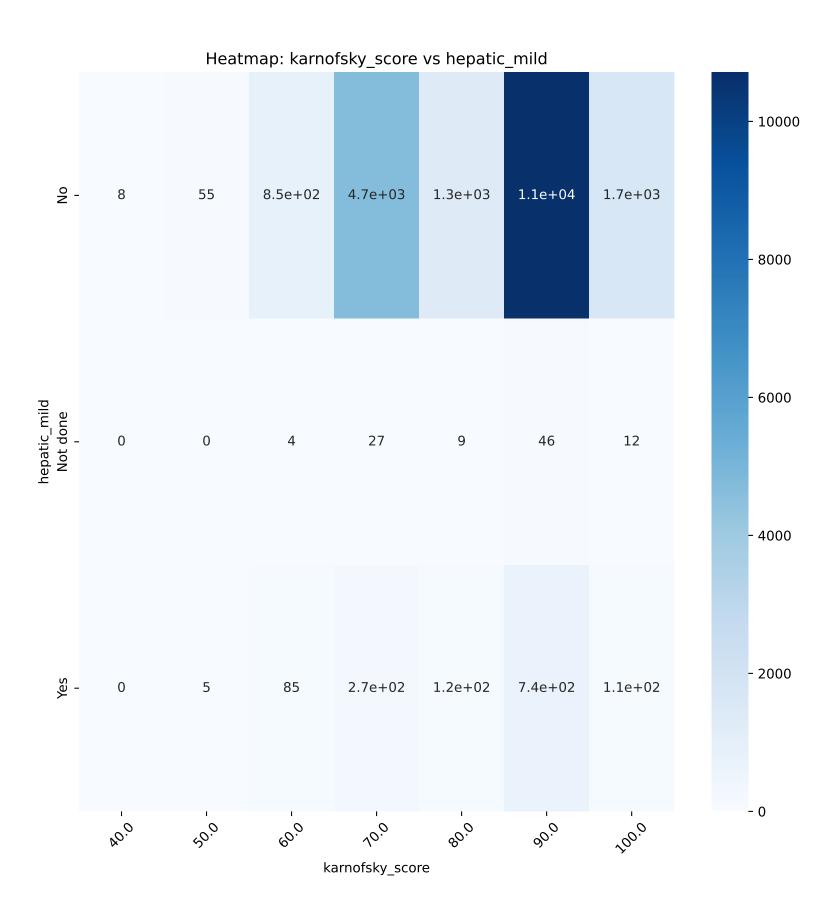






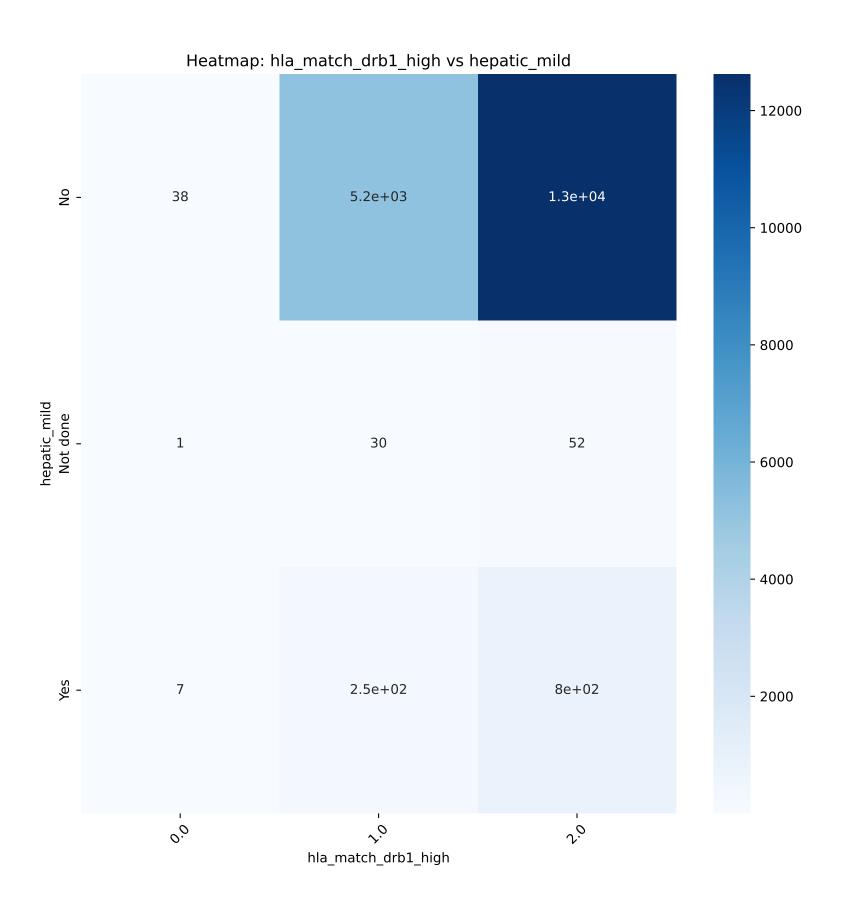


hepatic\_mild Not done

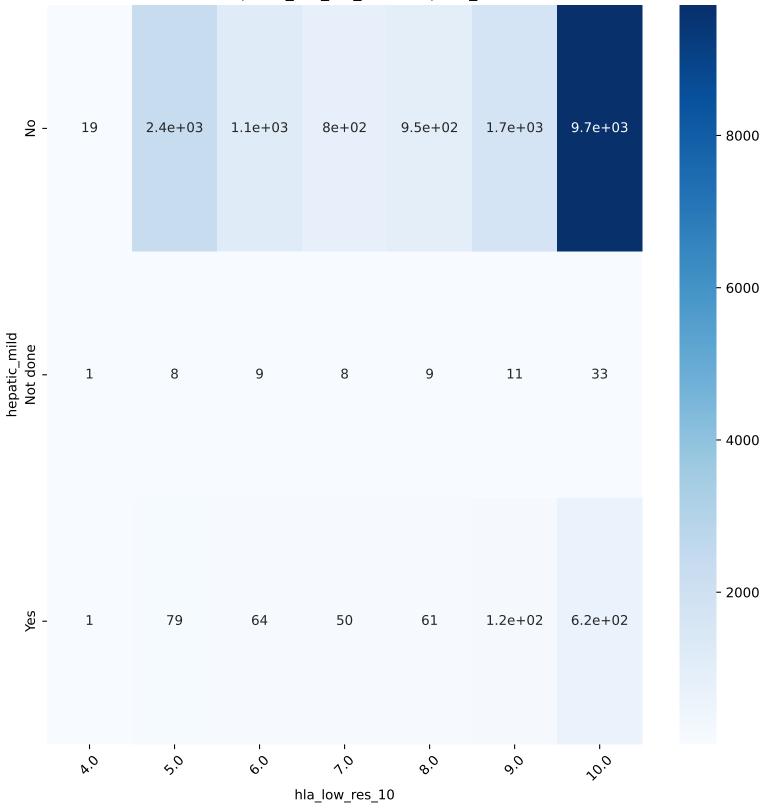


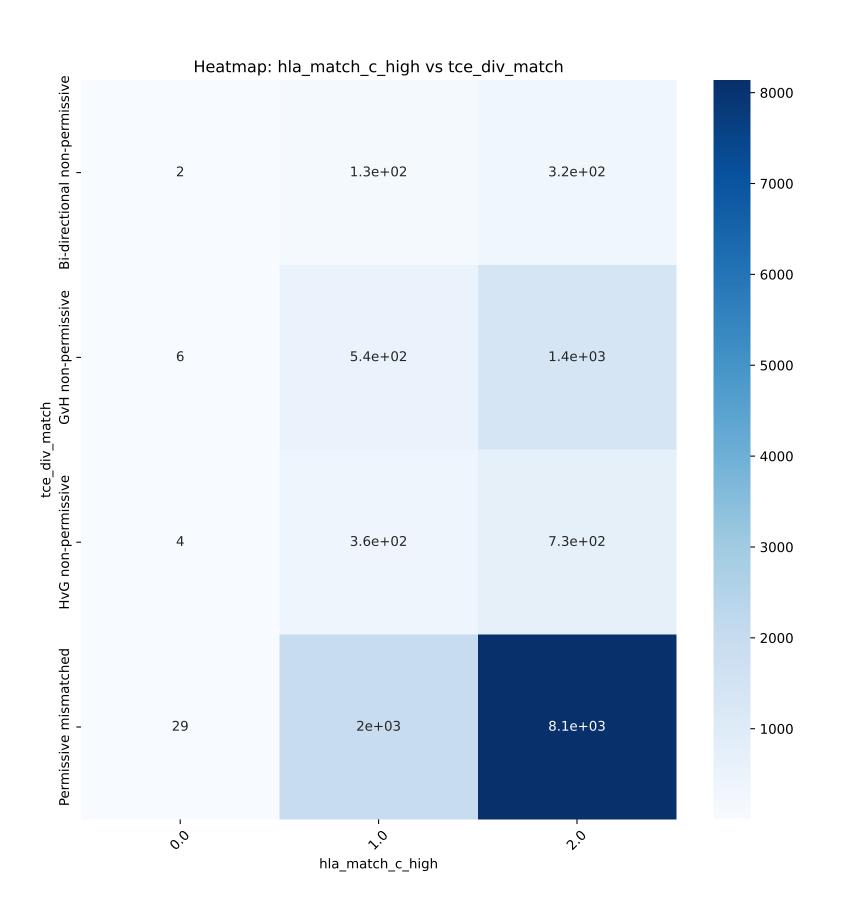
Heatmap: hla\_low\_res\_8 vs hepatic\_mild - 10000 ဍိ -3.1e+03 1.1e+04 1 12 1.1e+03 1e+03 1.8e+03 8000 6000 hepatic\_mild Not done ' 0 1 19 3 13 12 35 - 4000 - 2000 Yes -2 1.2e+02 66 65 1.4e+02 6.8e+02 - 0 ·. 0. 10 Þ. 0

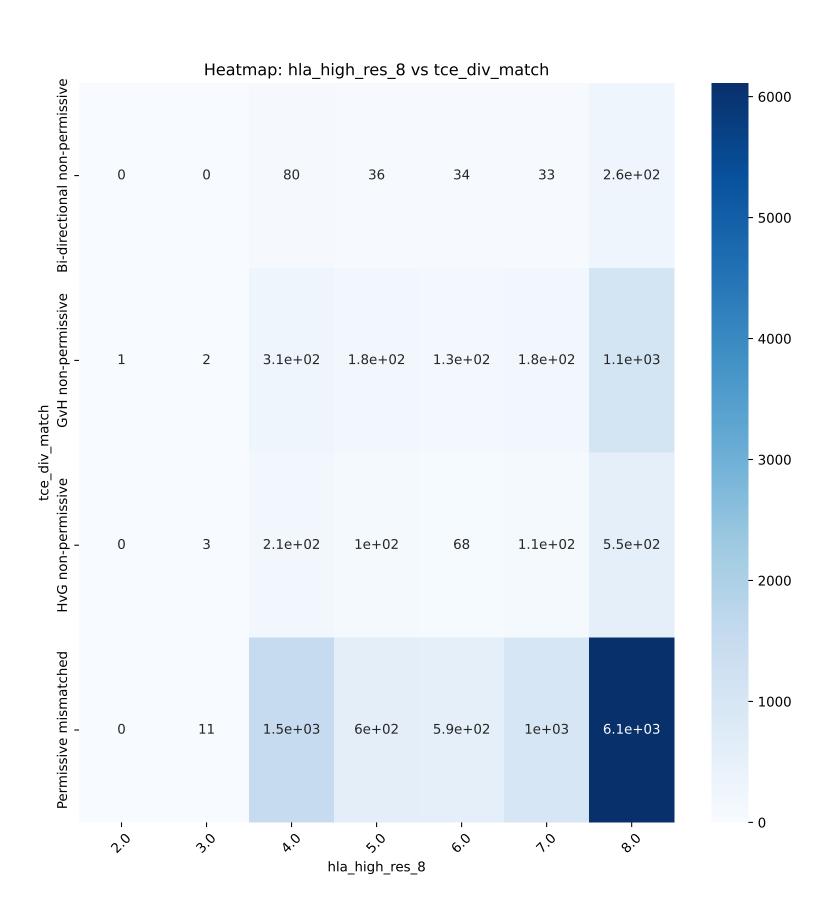
hla\_low\_res\_8

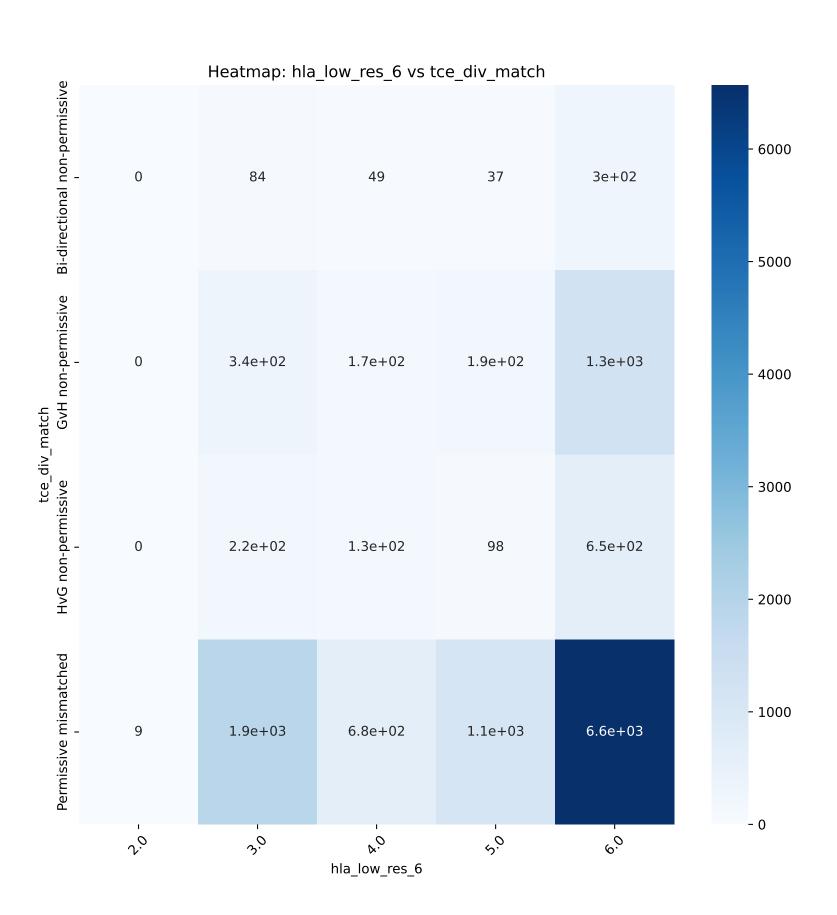


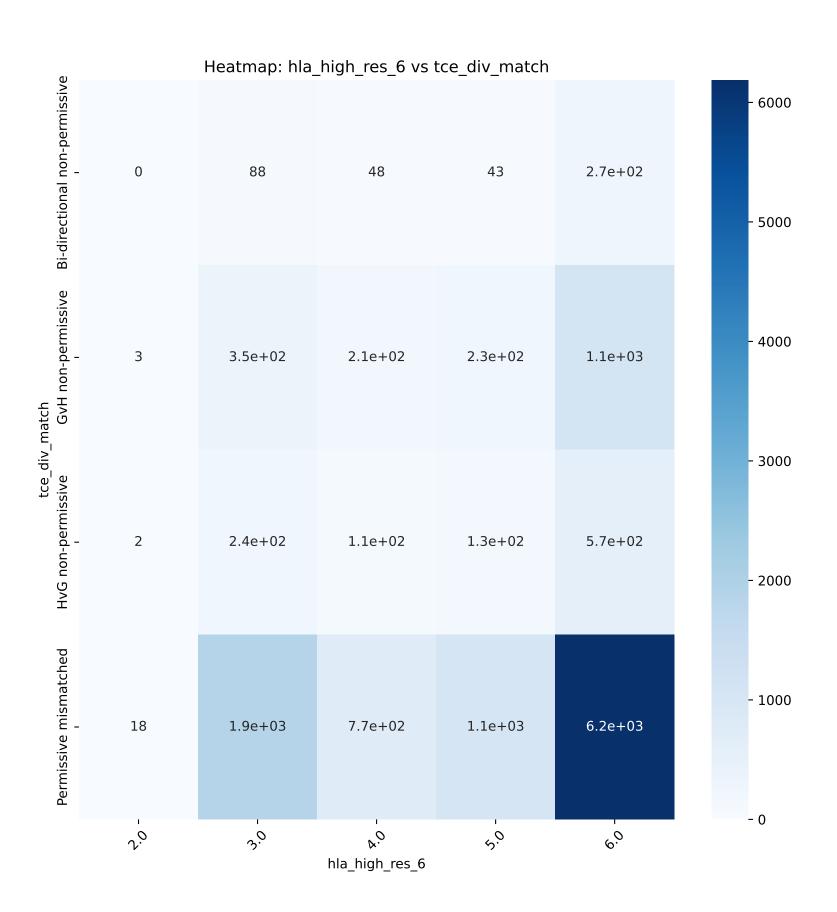
Heatmap: hla\_low\_res\_10 vs hepatic\_mild

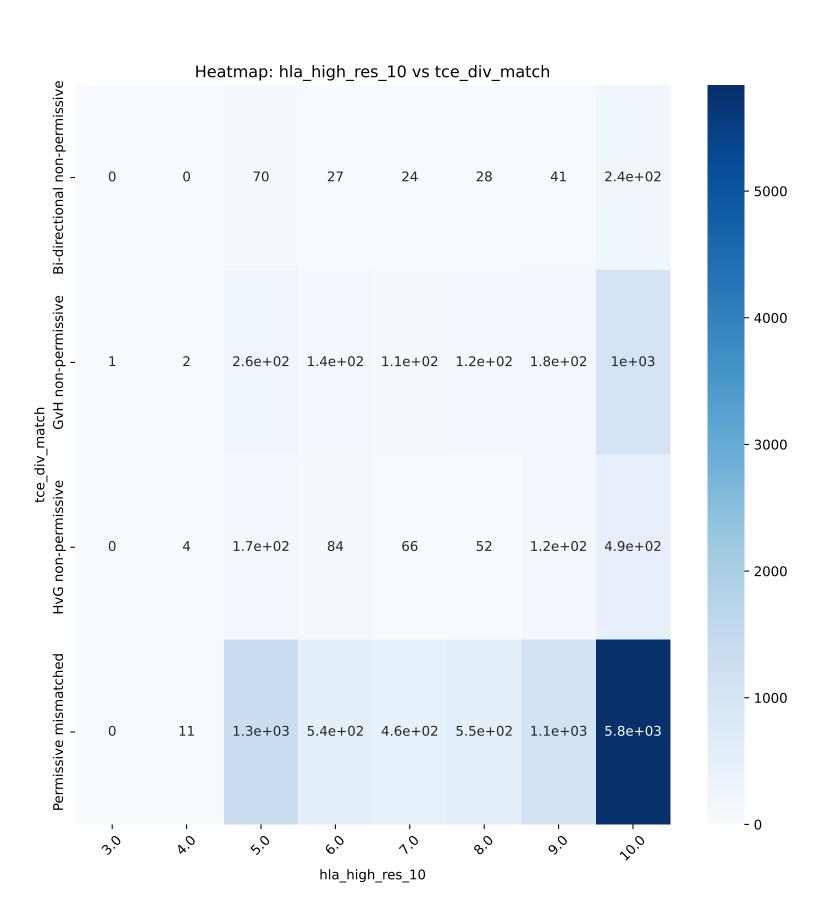


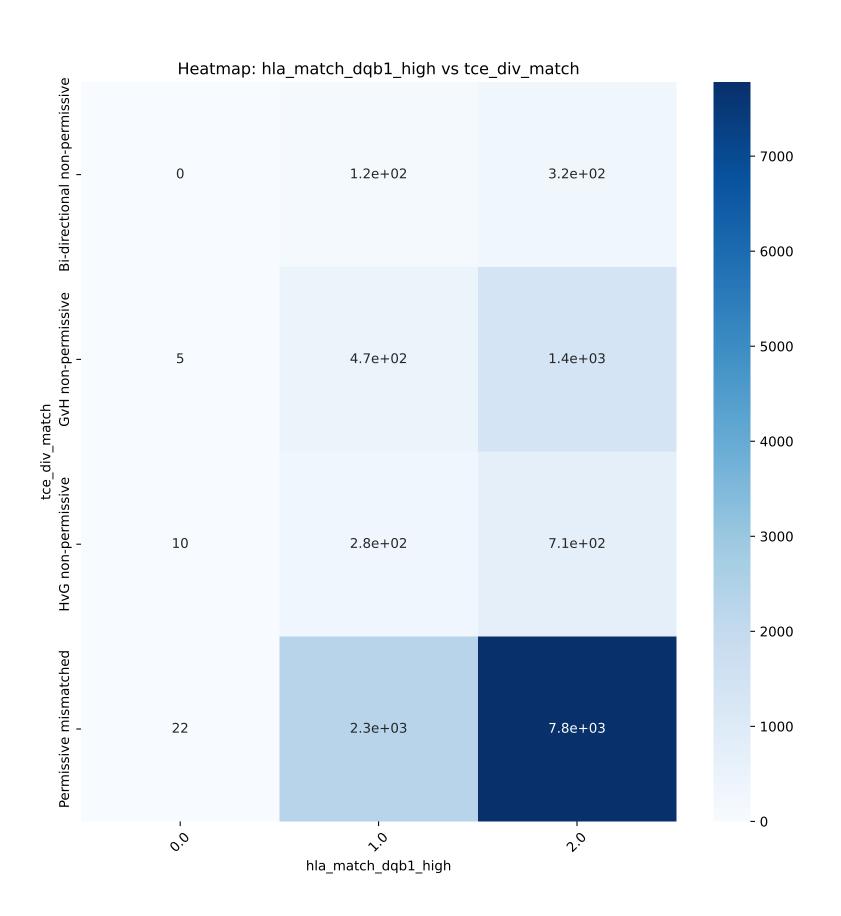


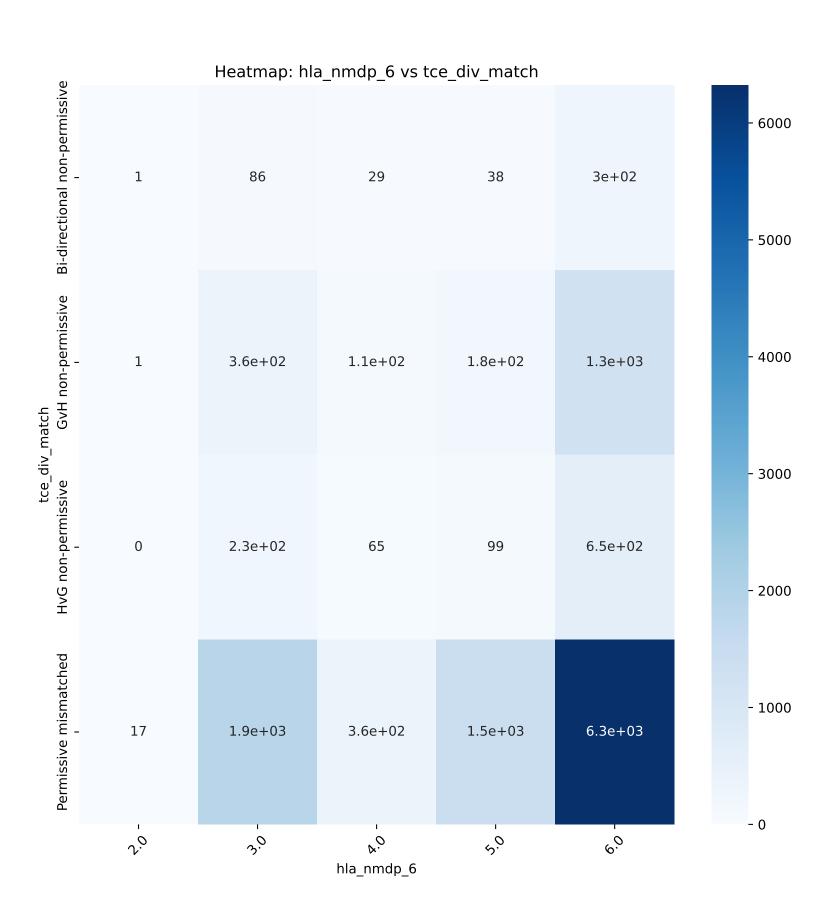


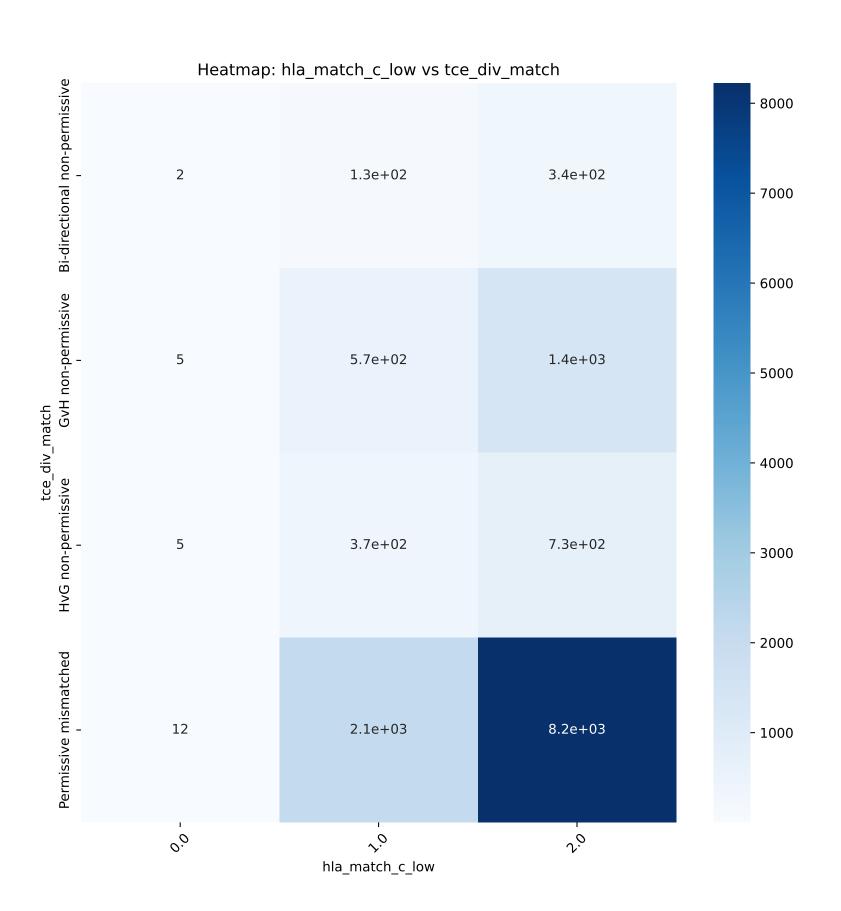


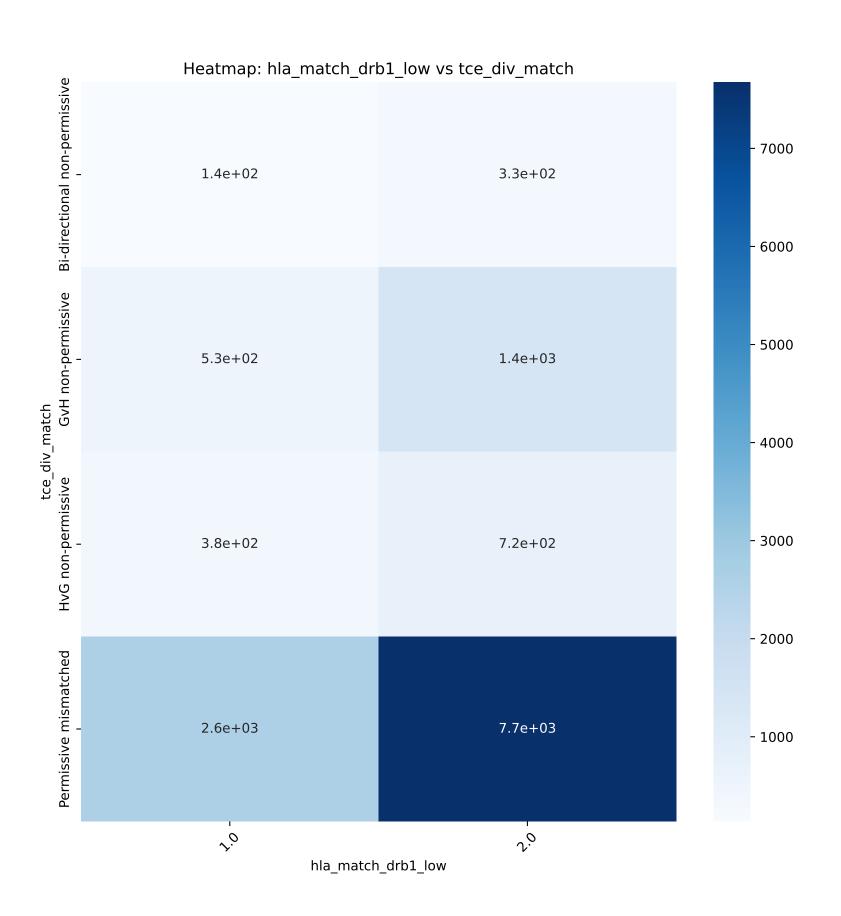


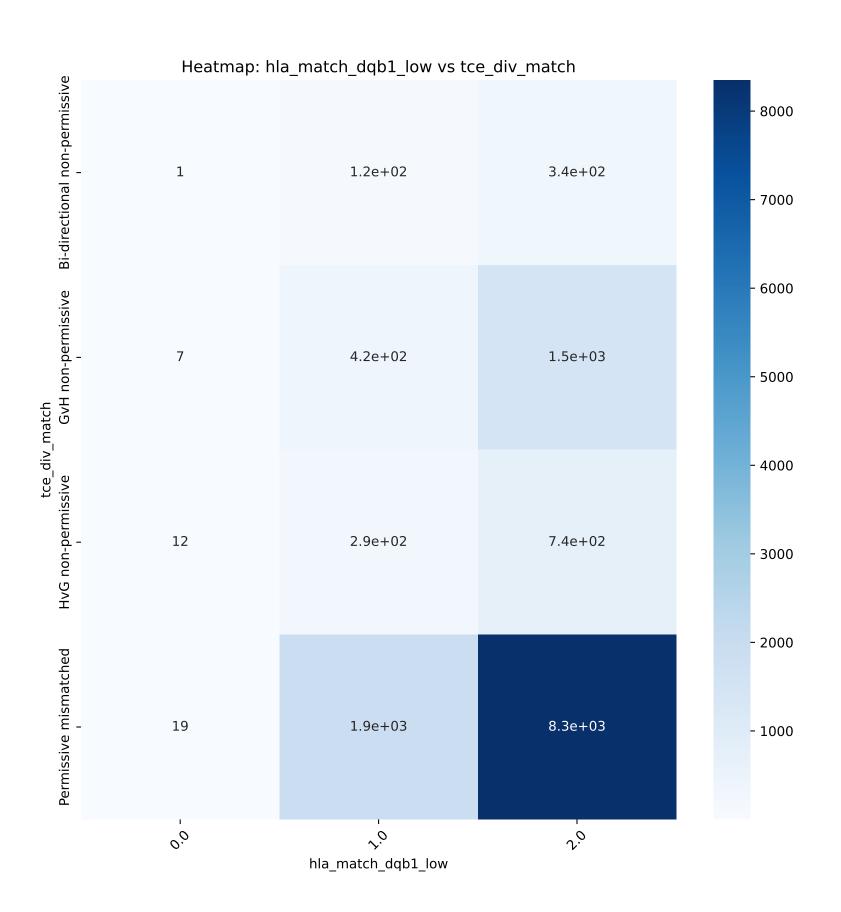


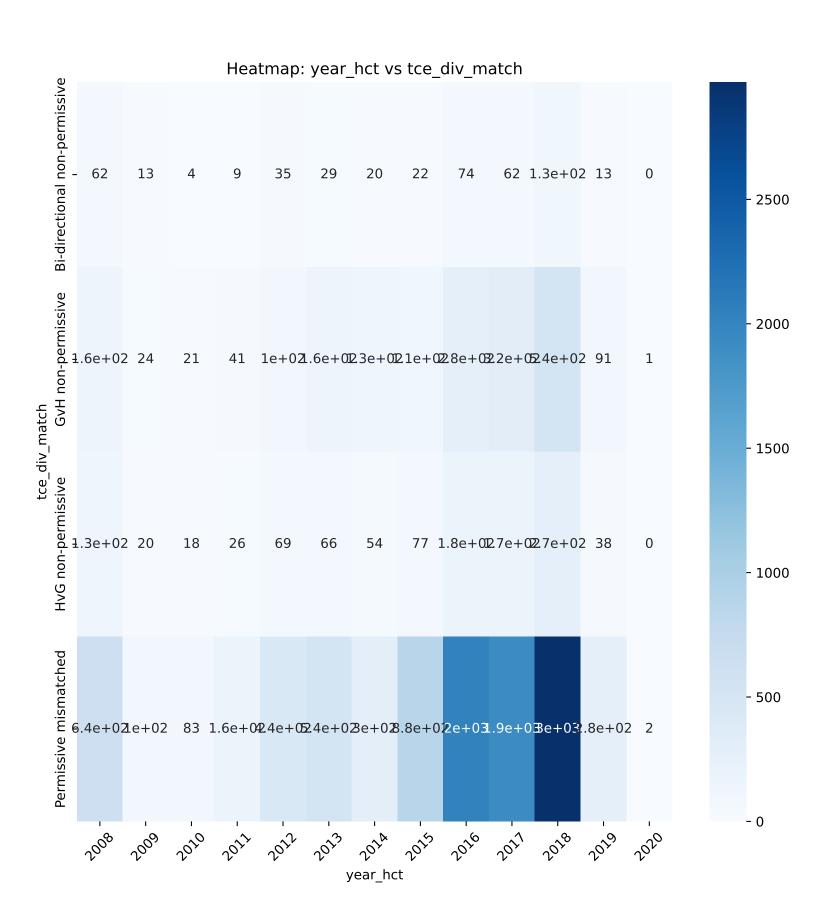


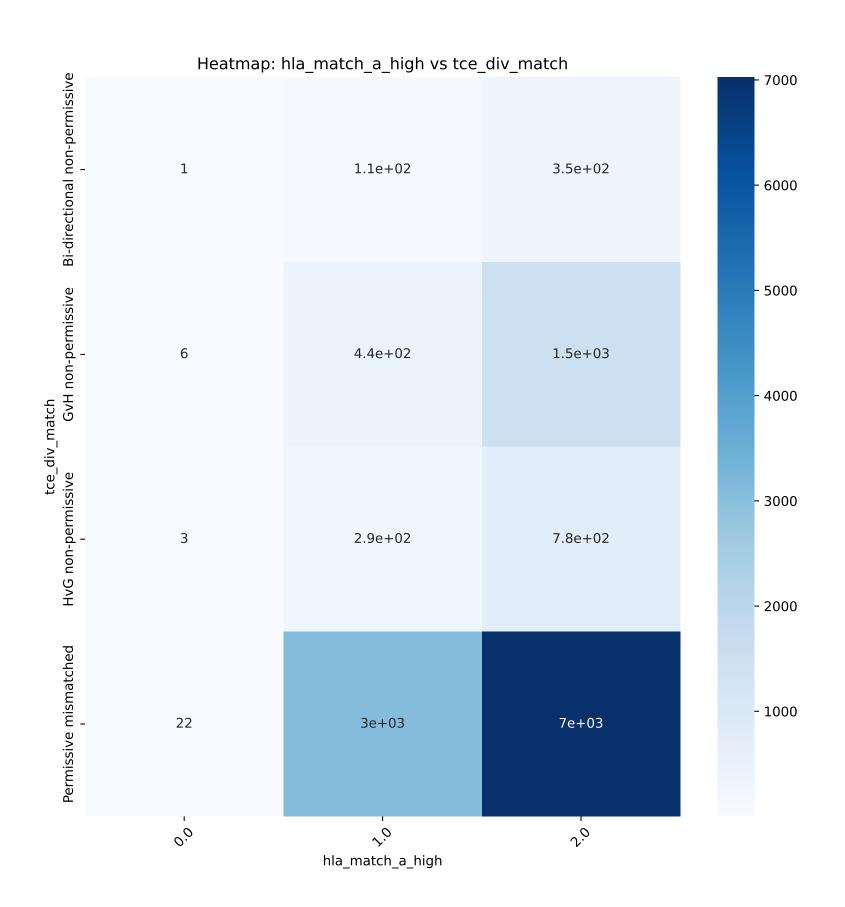


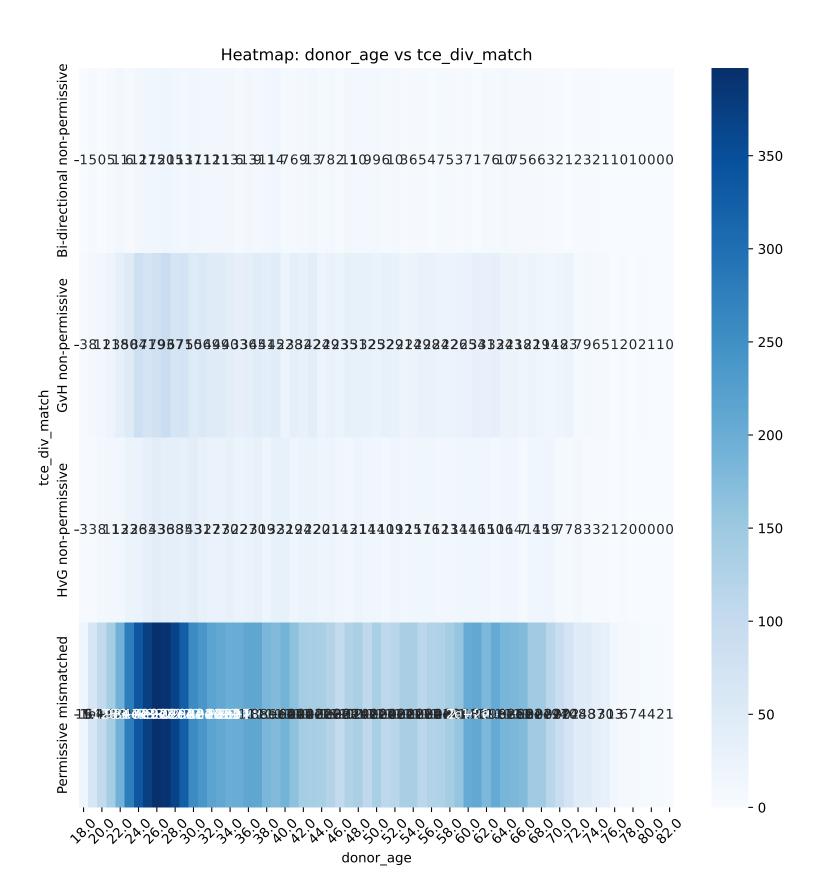


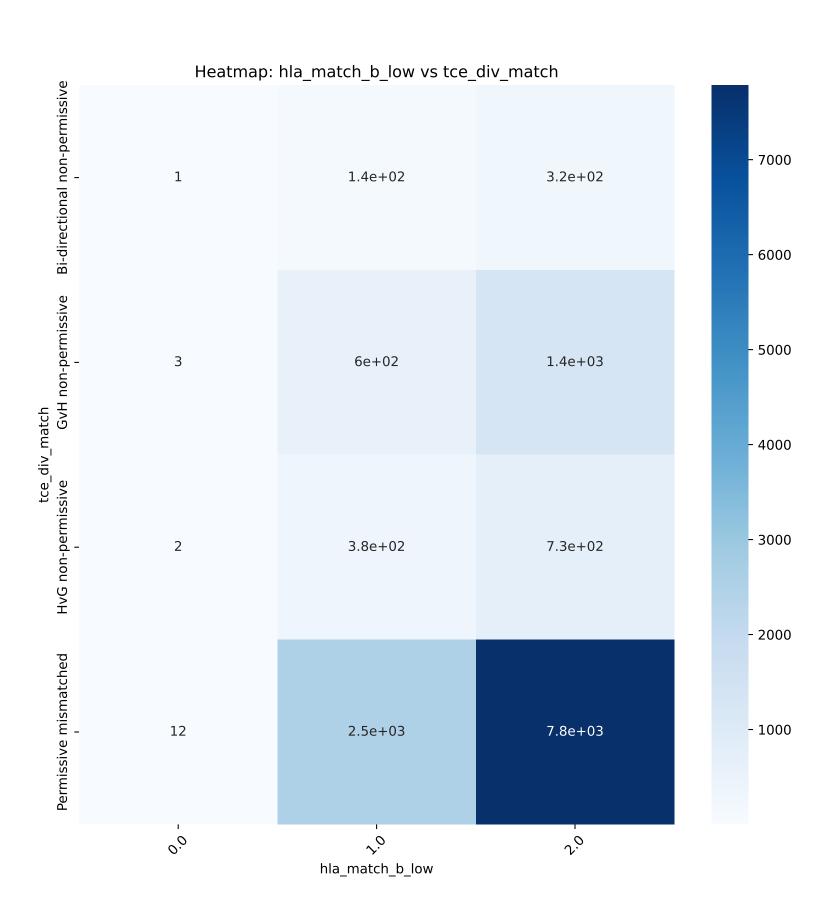


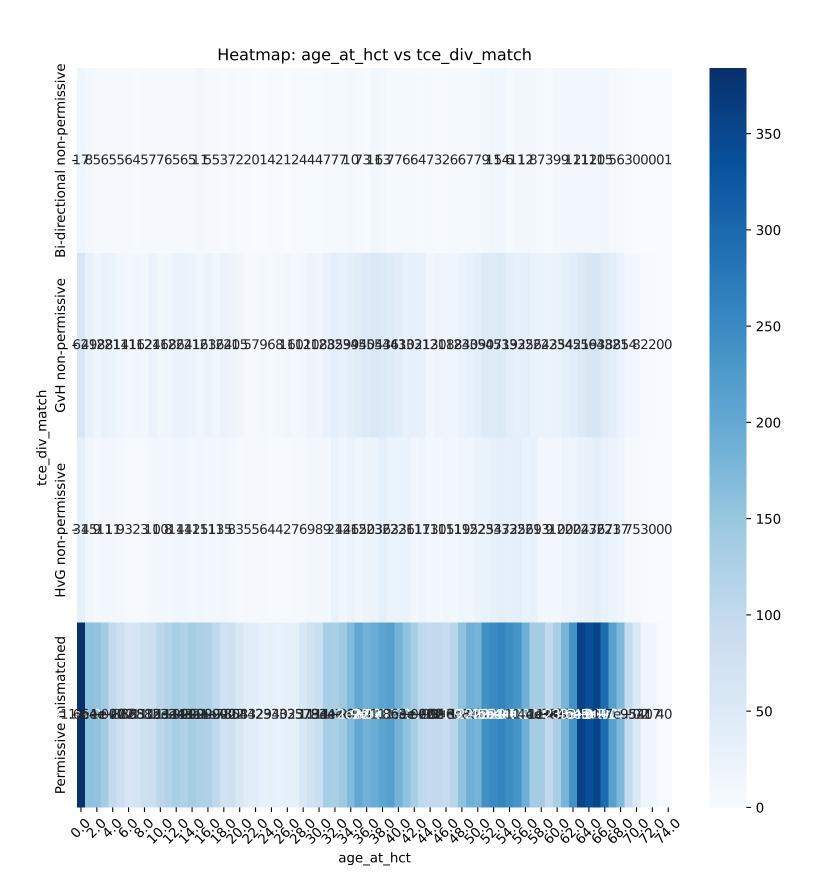


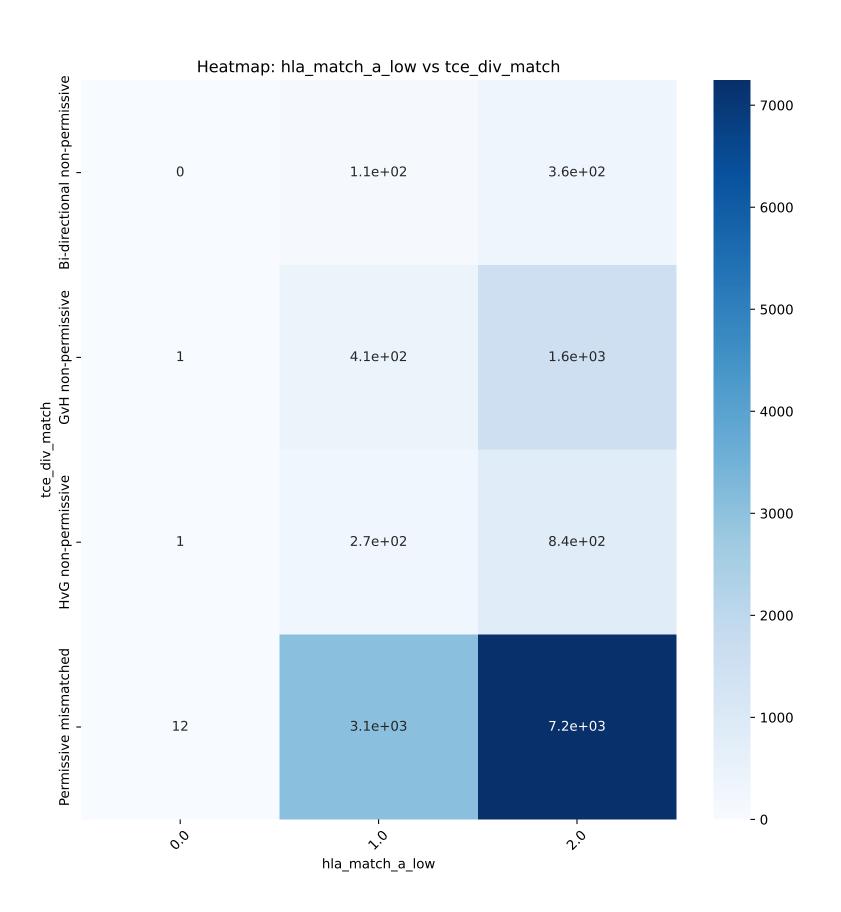


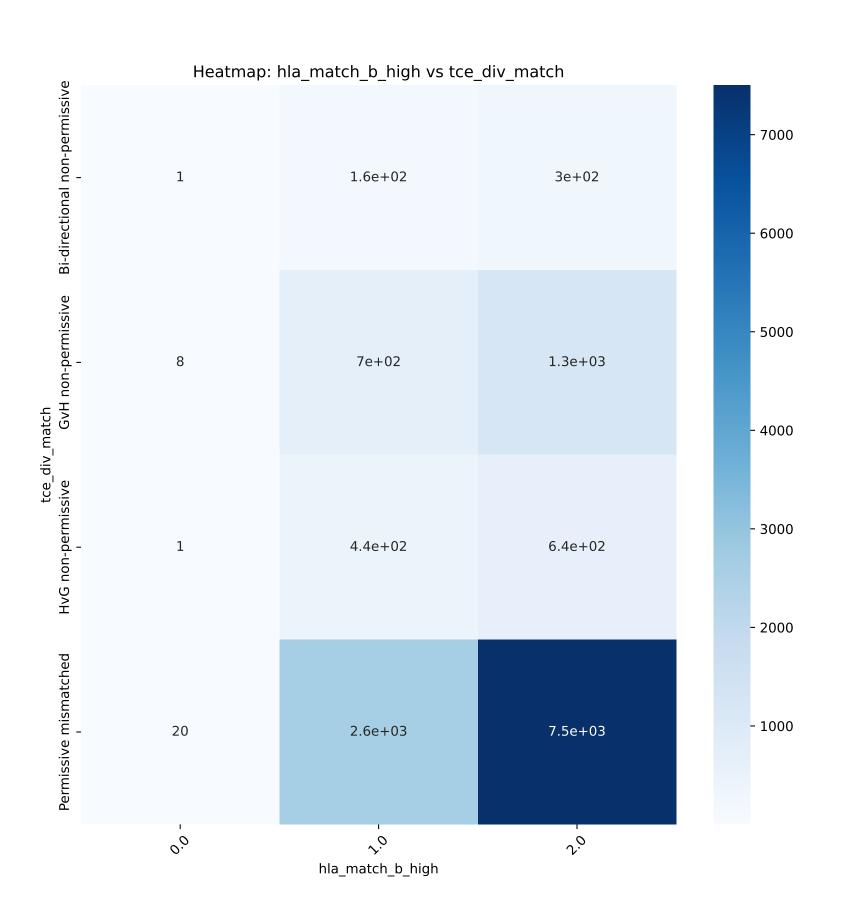


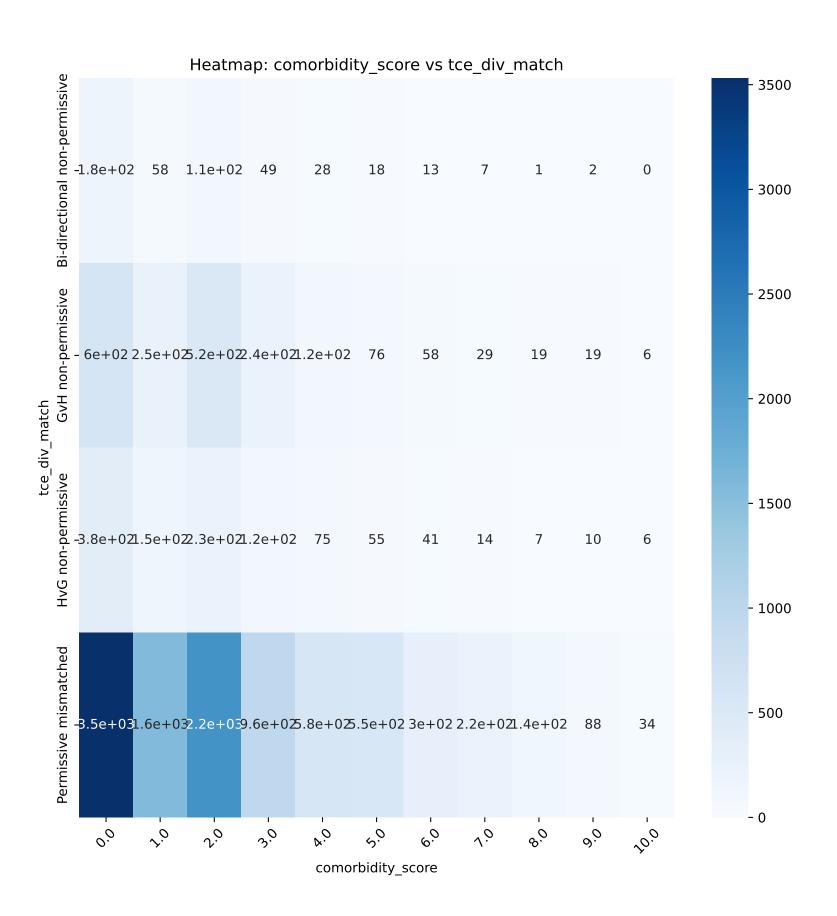


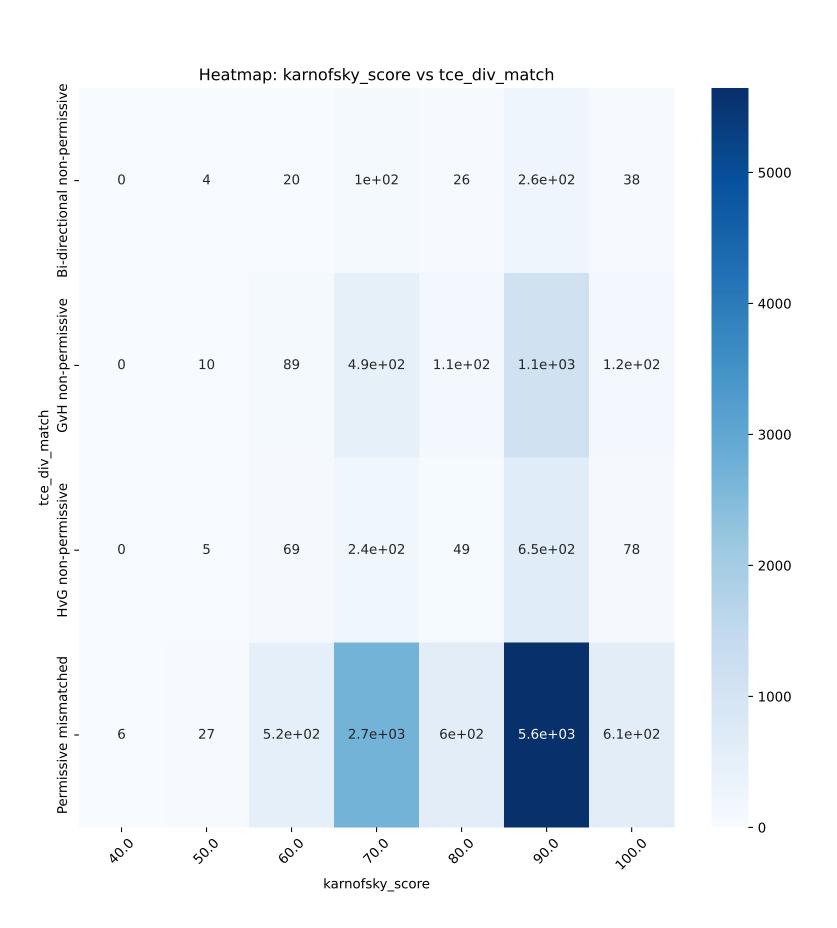


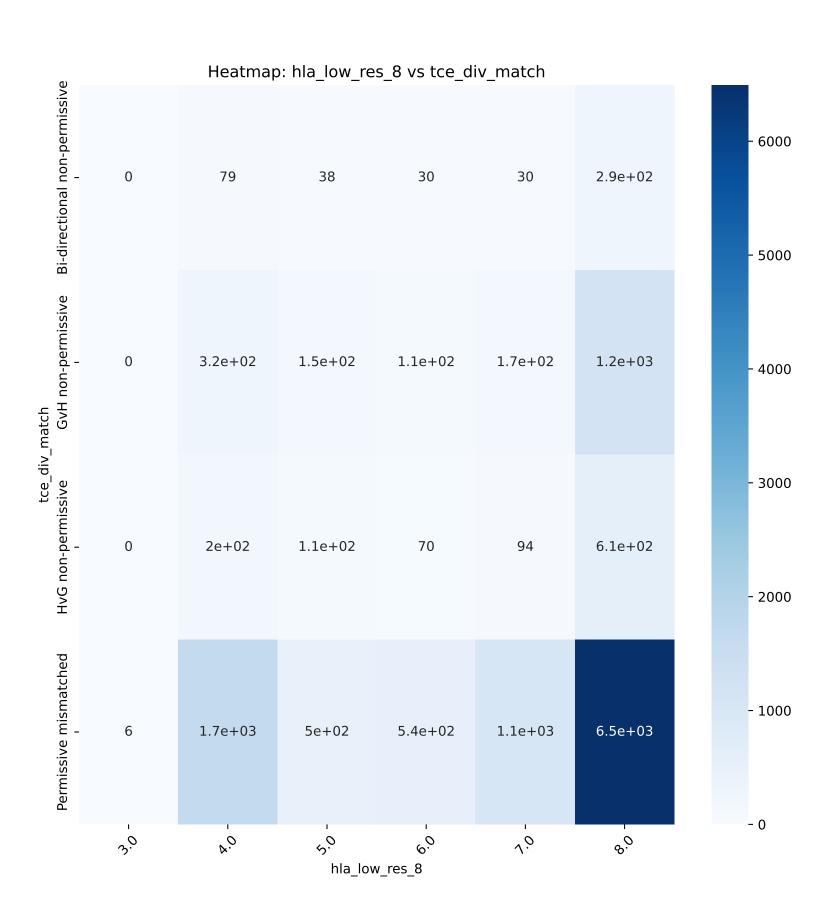


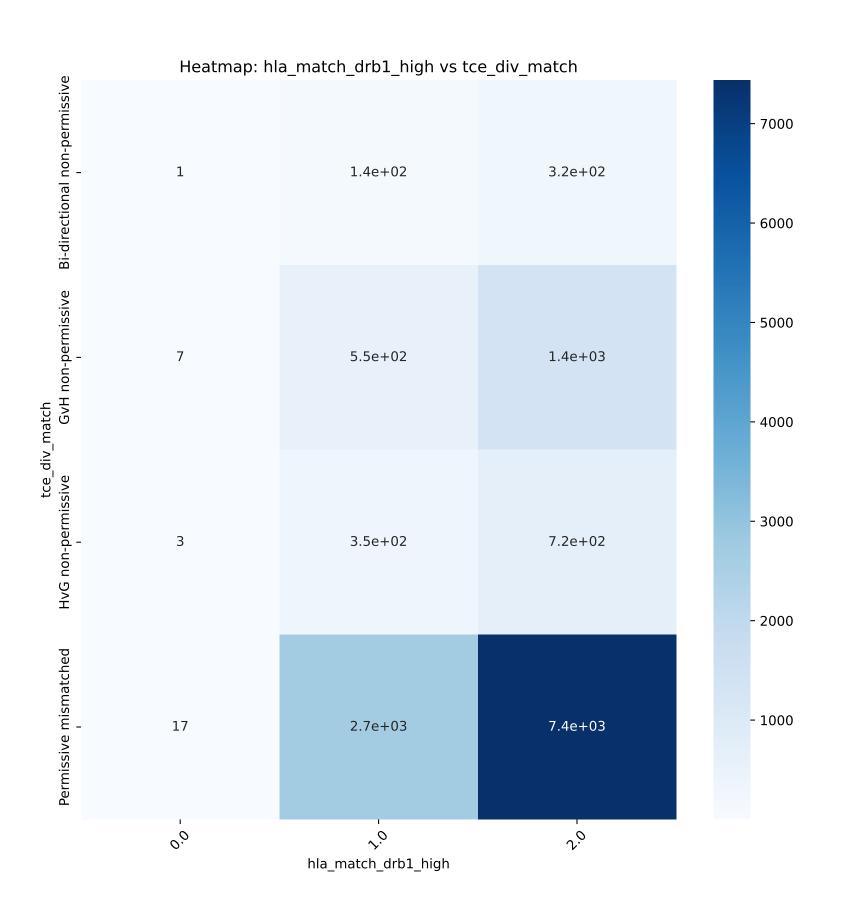


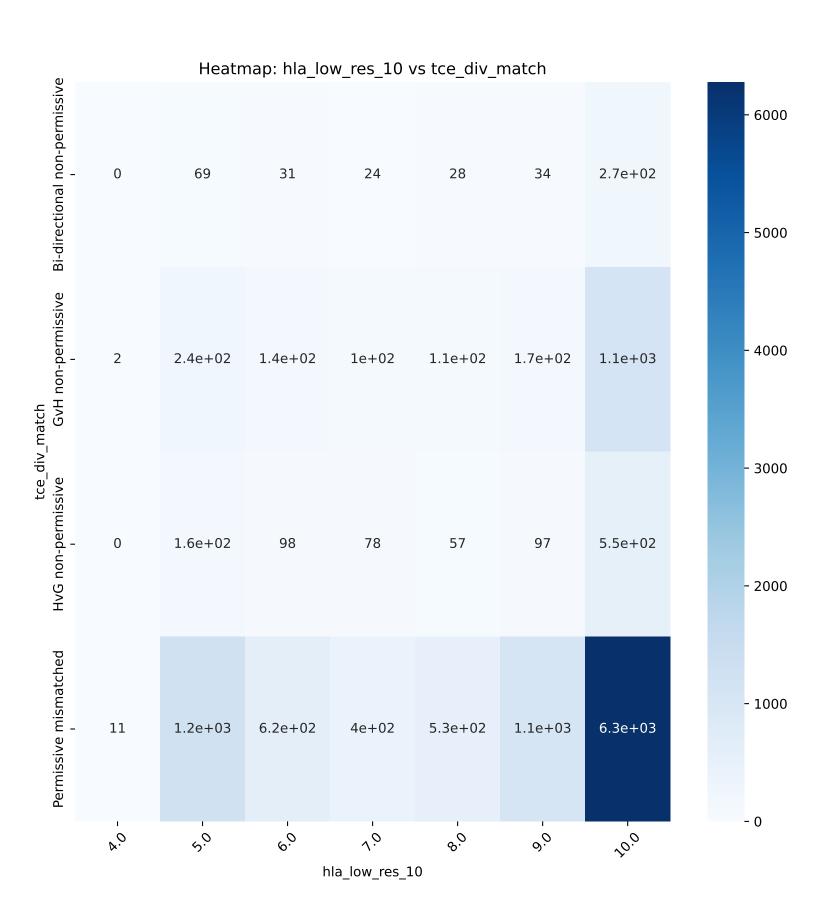


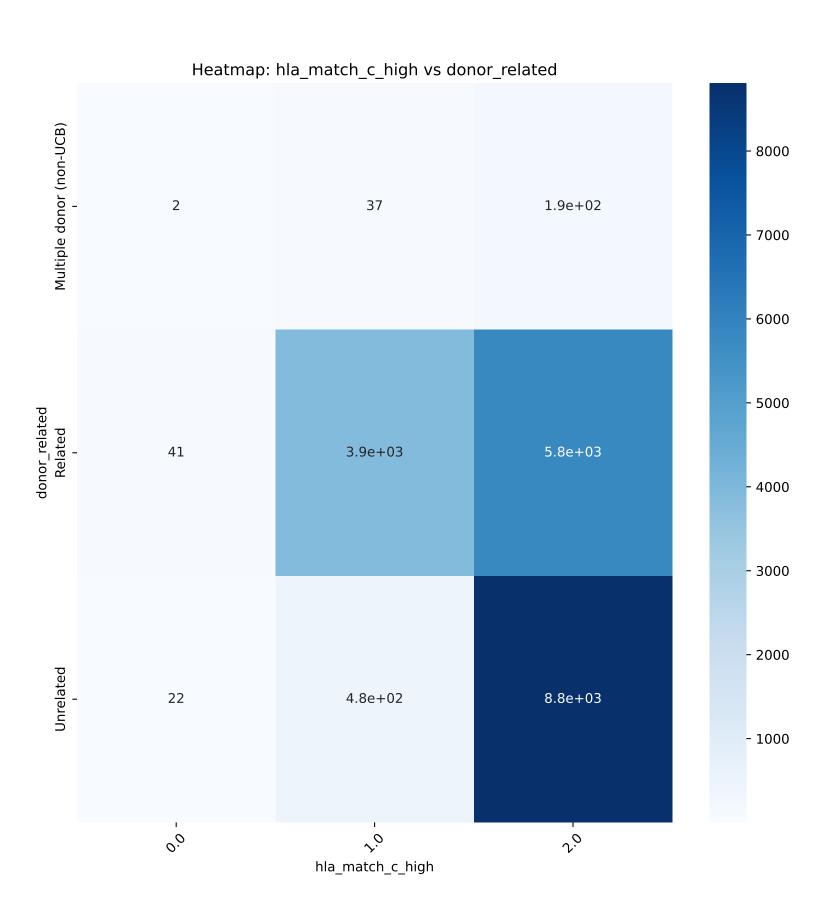


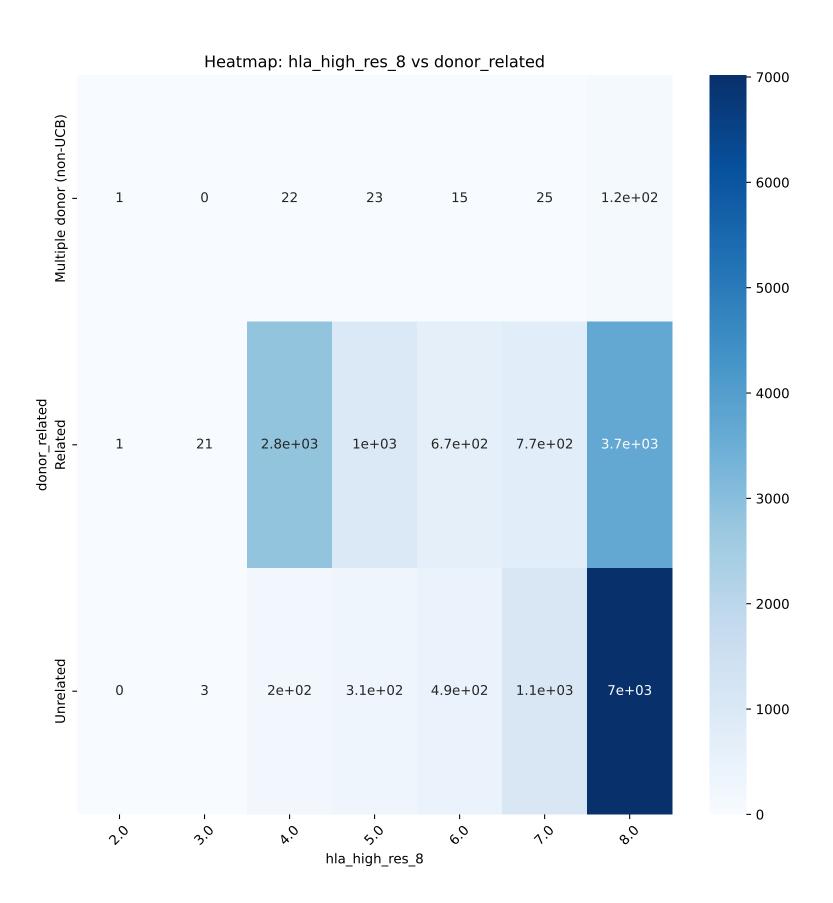


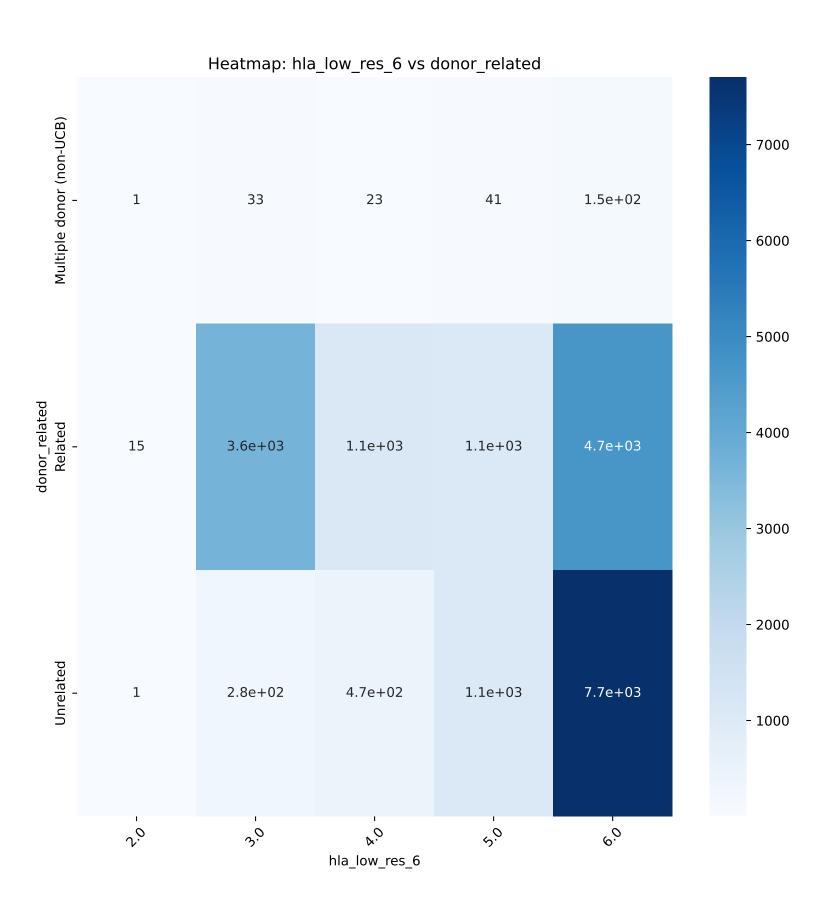








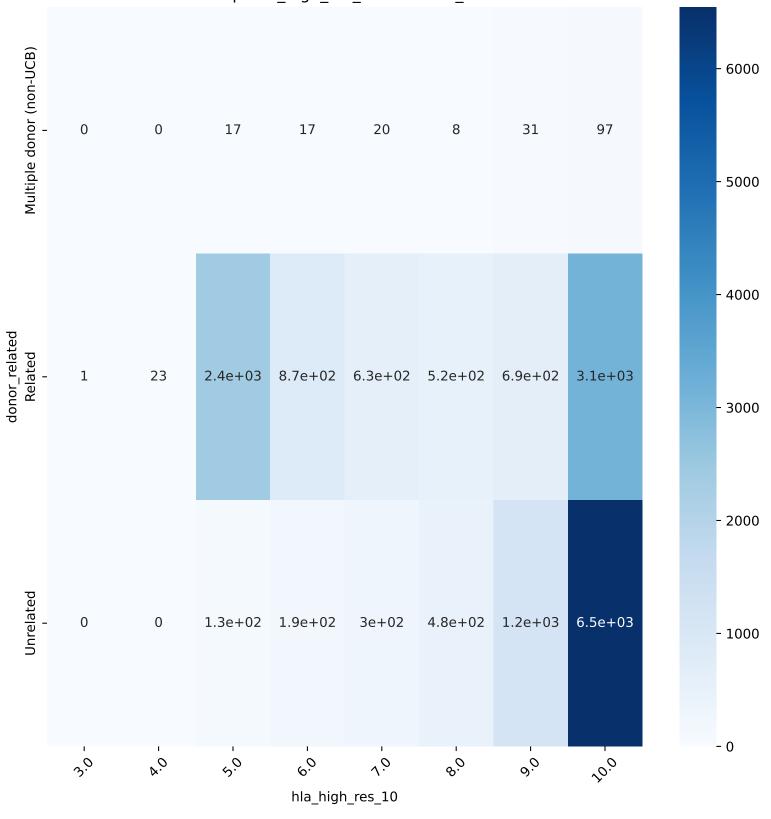


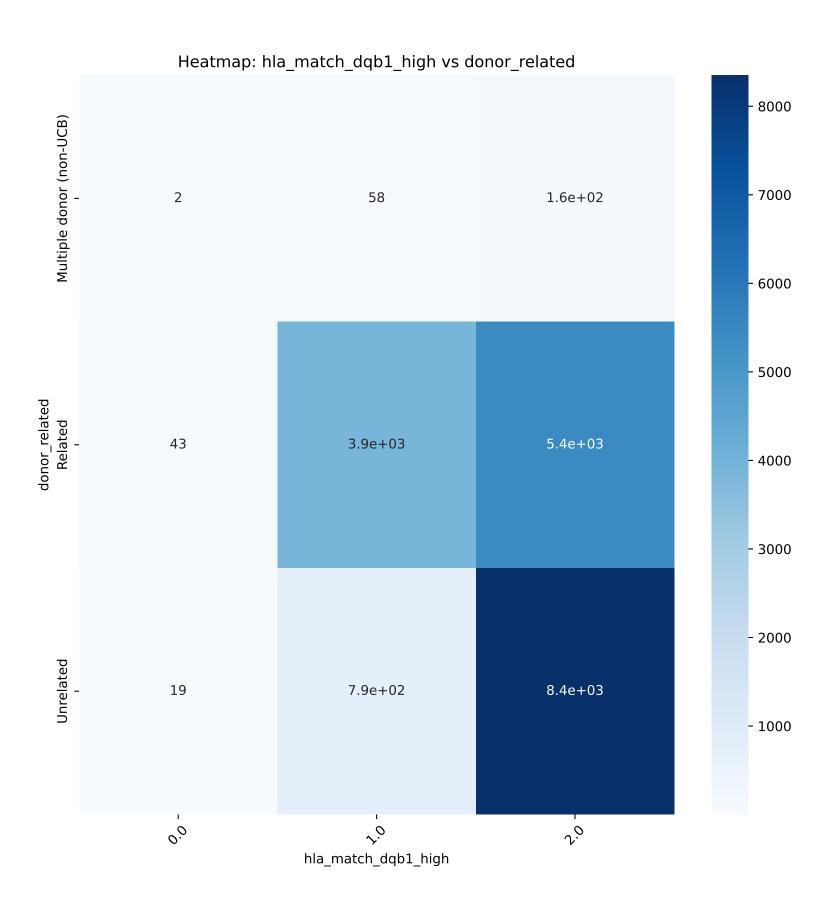


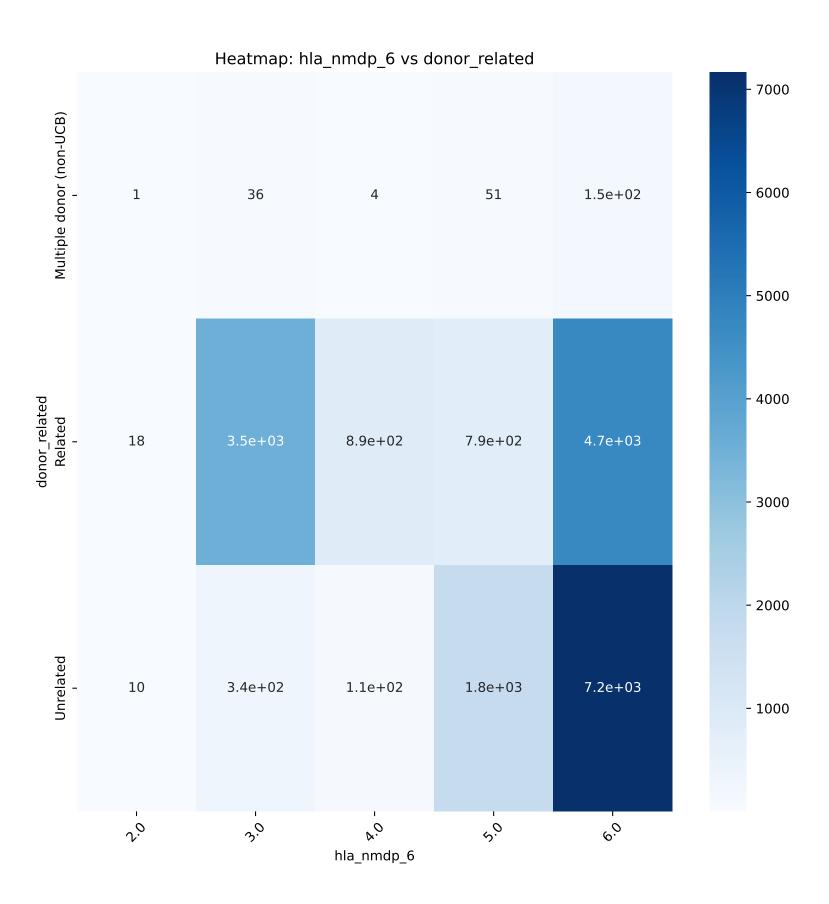
Heatmap: hla\_high\_res\_6 vs donor\_related 7000 Multiple donor (non-UCB) 6000 1 2 32 24 30 1.3e+02 5000 donor\_related Related 4000 0 25 3.3e+03 1.1e+03 9.6e+02 3.9e+03 - 3000 - 2000 Unrelated 0 10 7.1e+03 3.6e+02 5.3e+02 1.2e+03 - 1000 - 0 0. 1 20 3.0 60 ×0

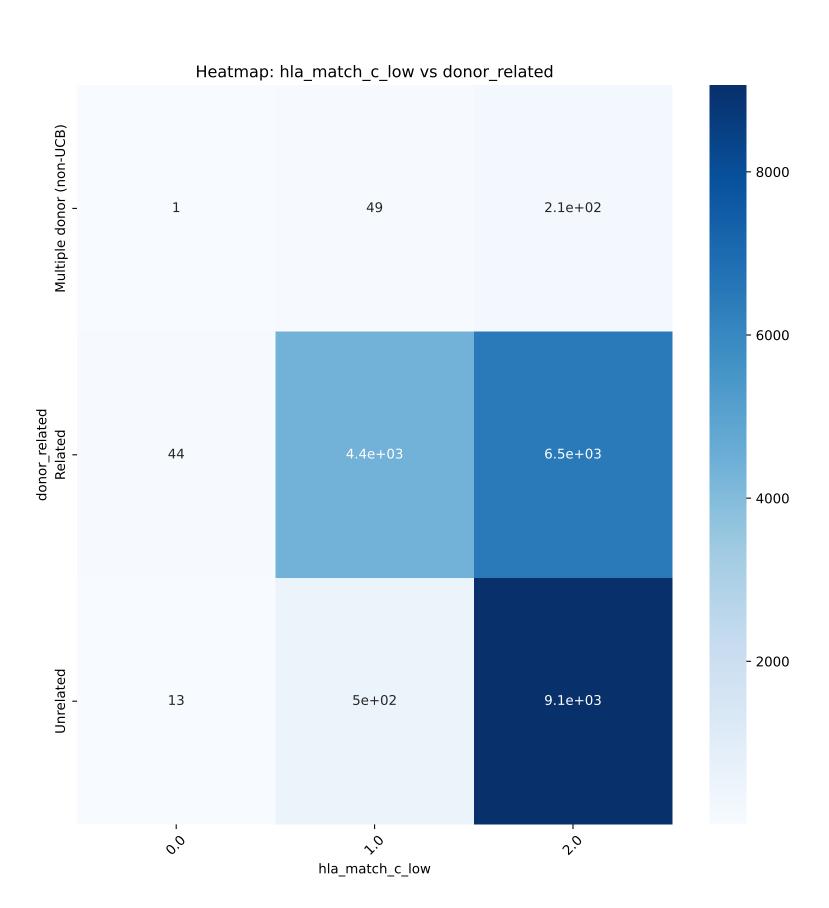
hla\_high\_res\_6

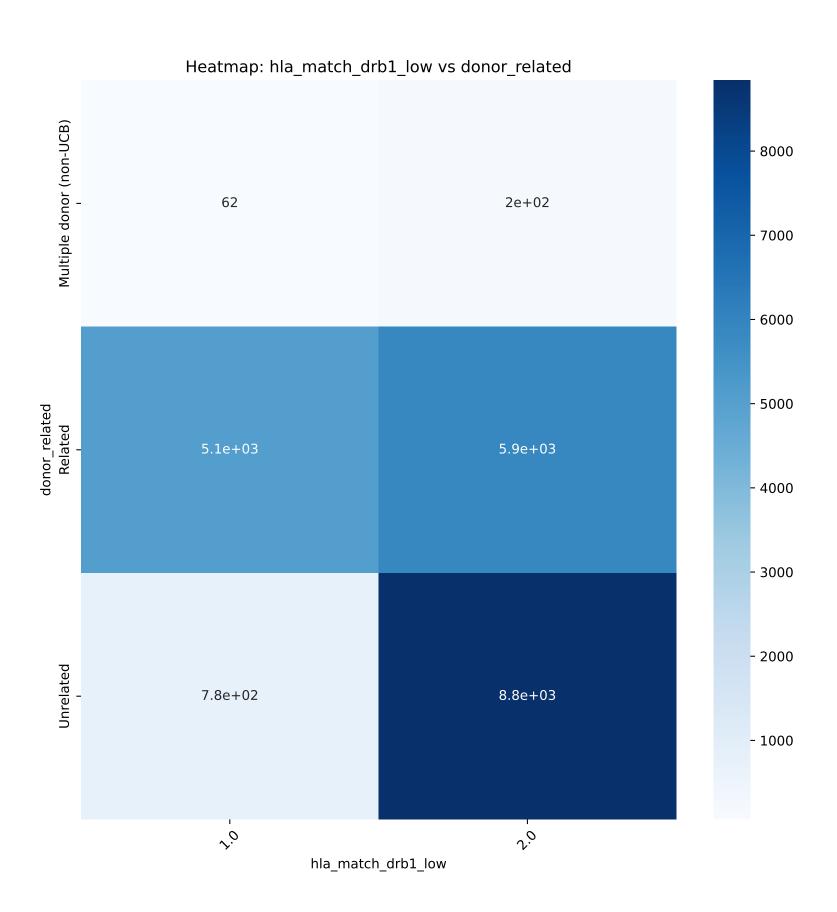
Heatmap: hla\_high\_res\_10 vs donor\_related



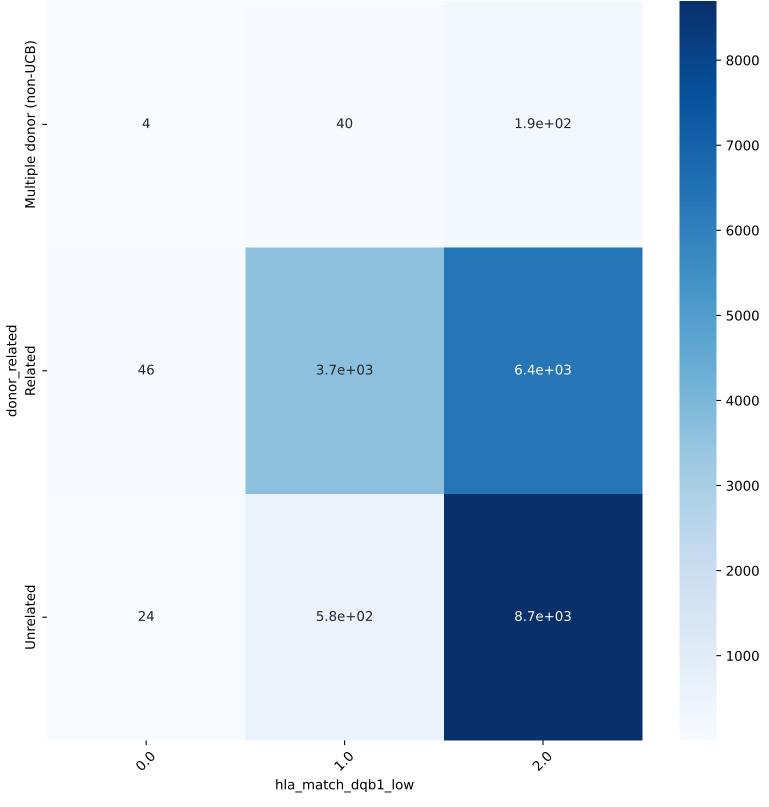




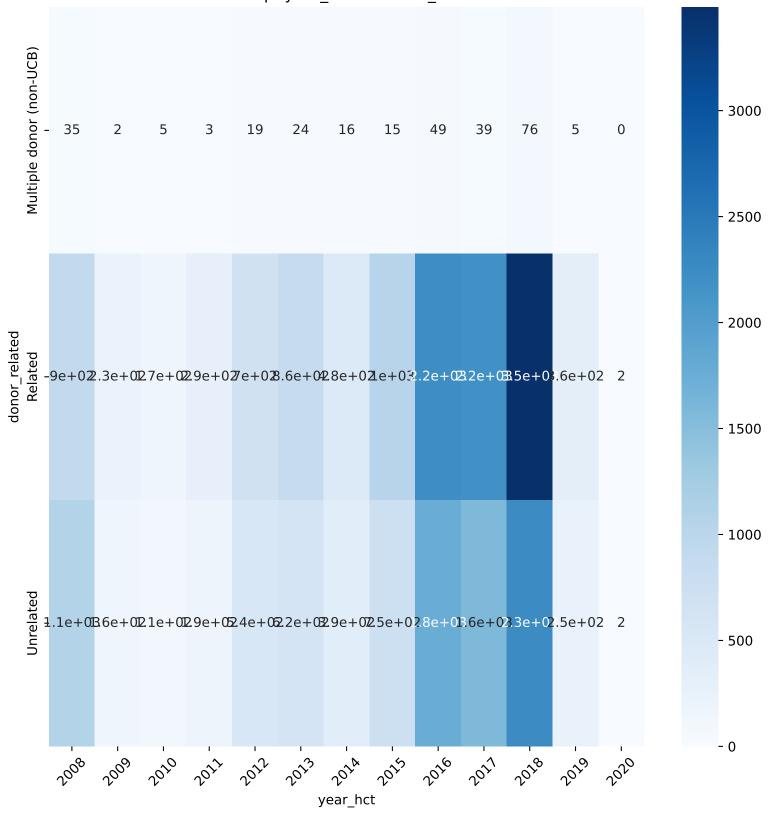


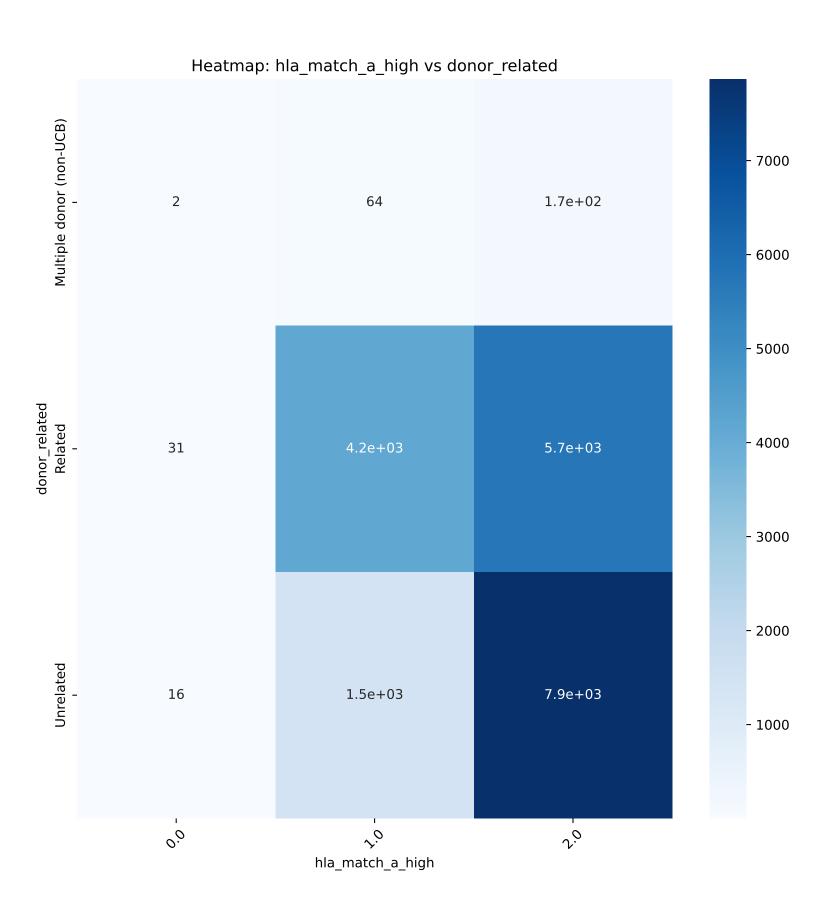




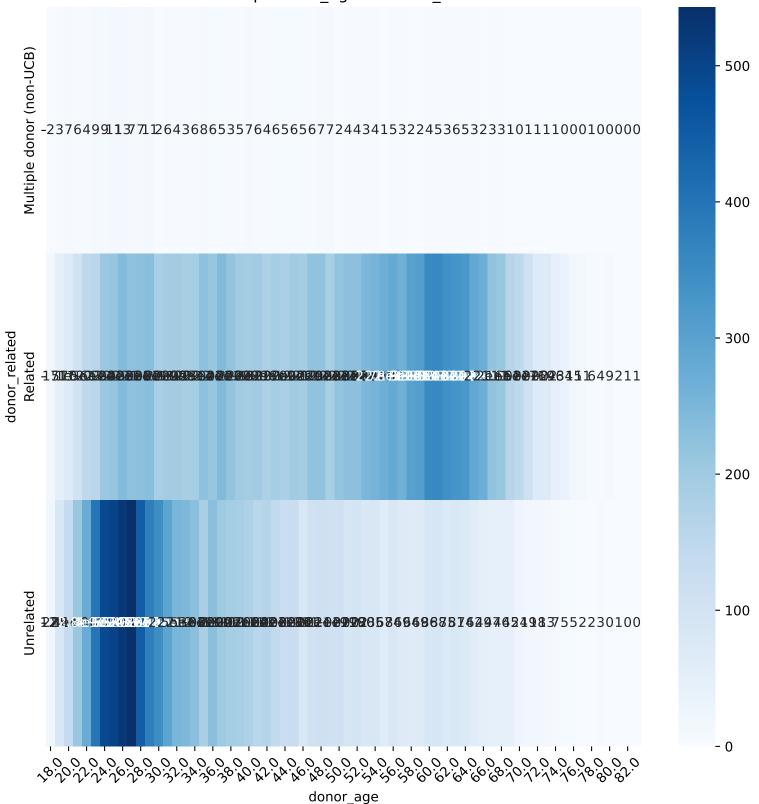


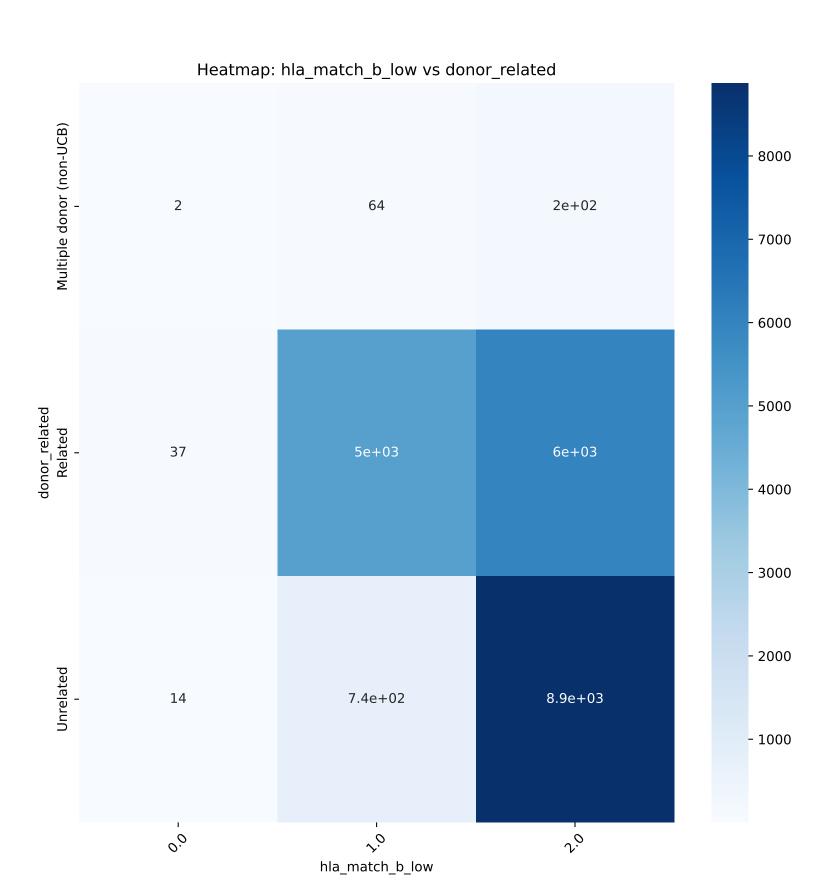
Heatmap: year\_hct vs donor\_related



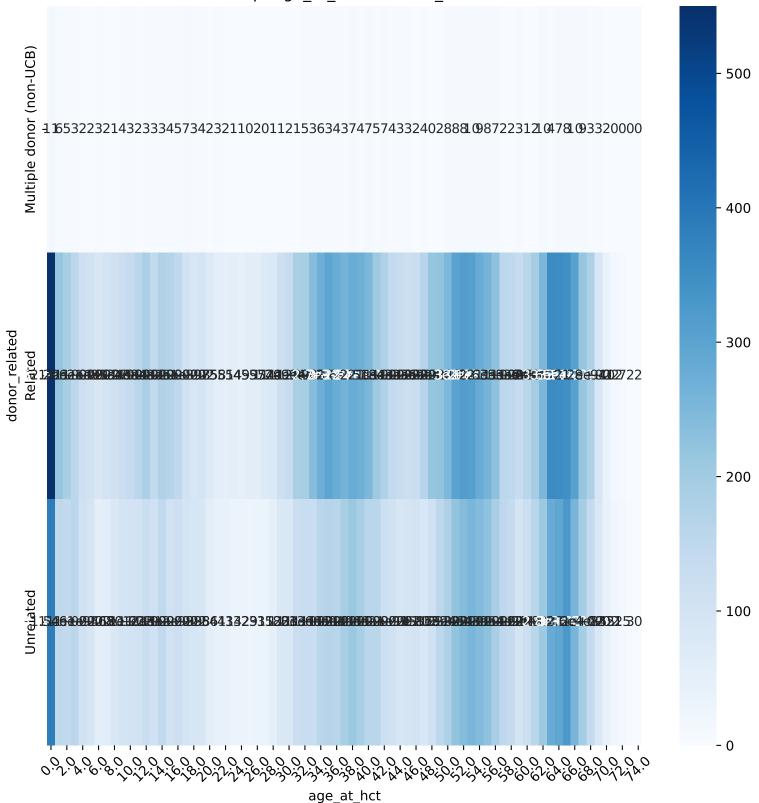


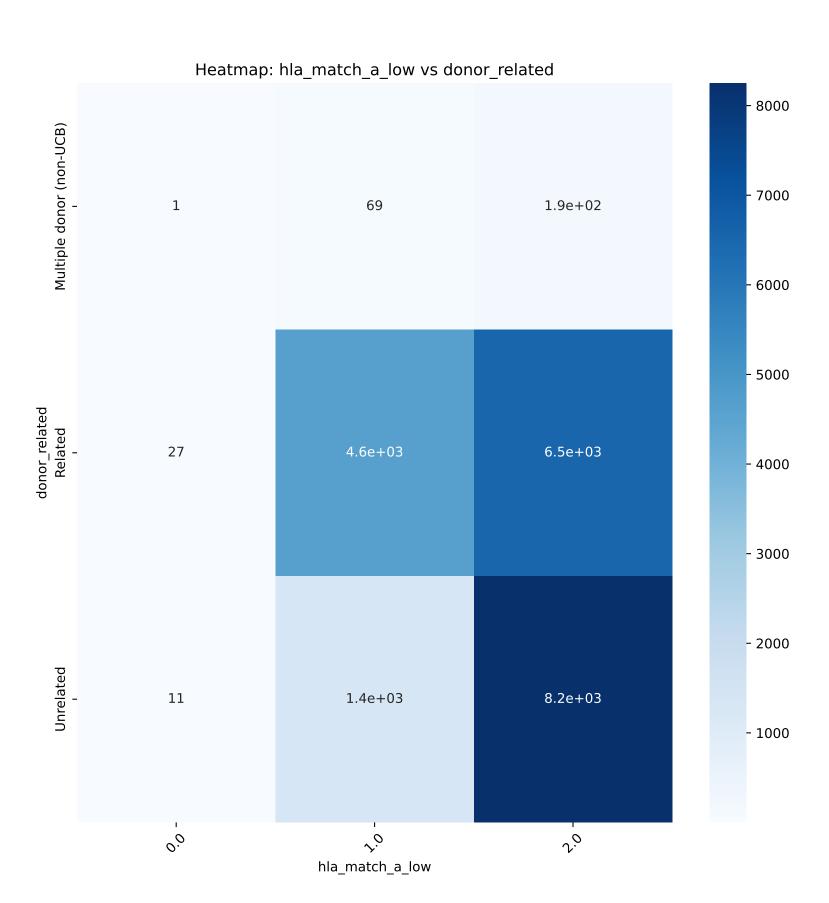
## Heatmap: donor\_age vs donor\_related

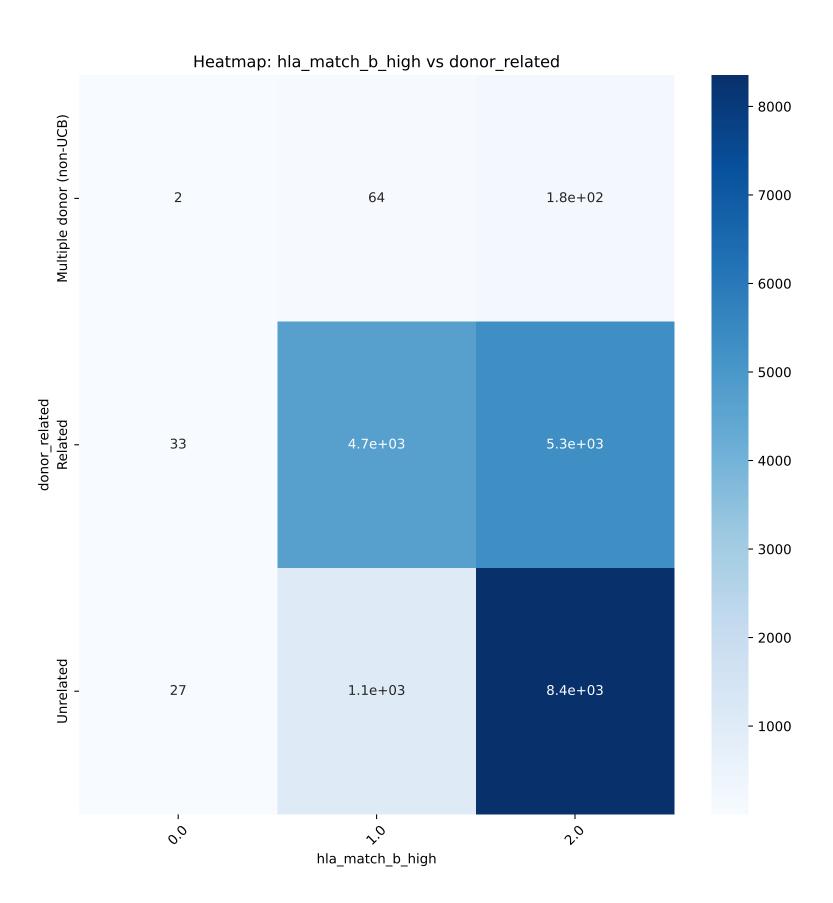


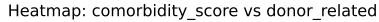


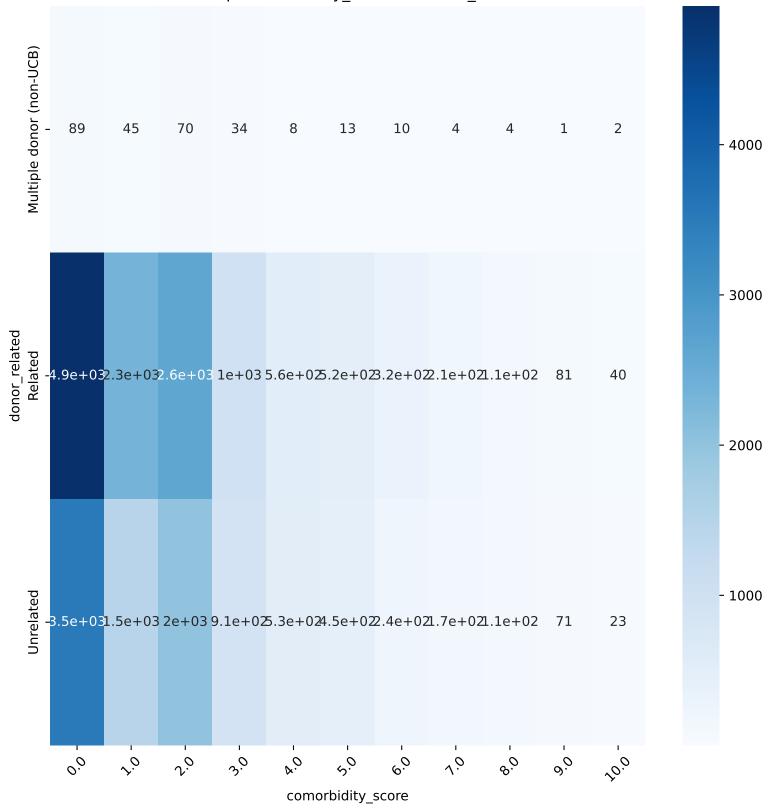
## Heatmap: age\_at\_hct vs donor\_related



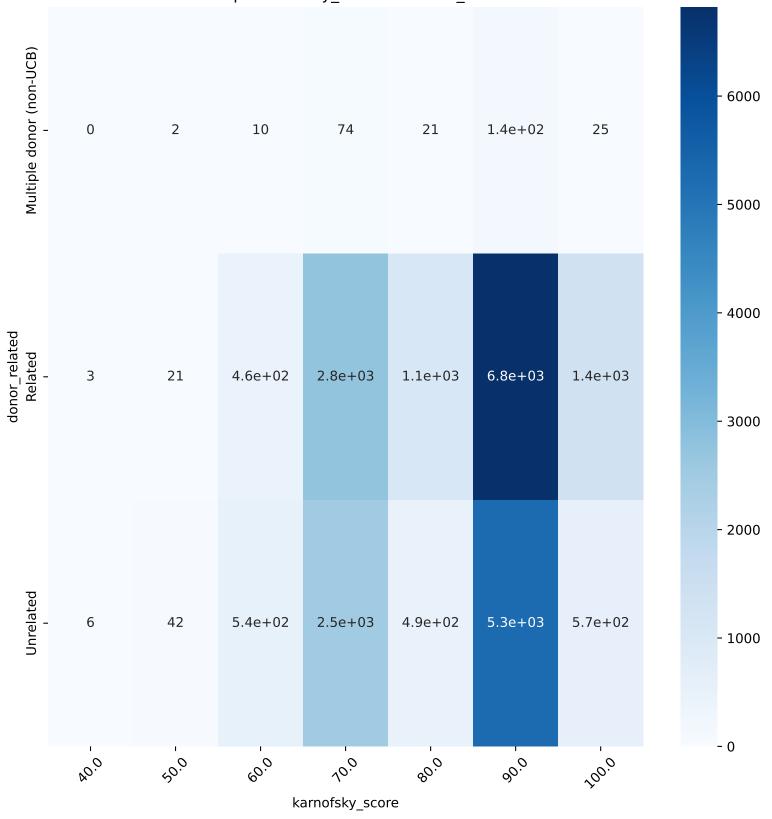




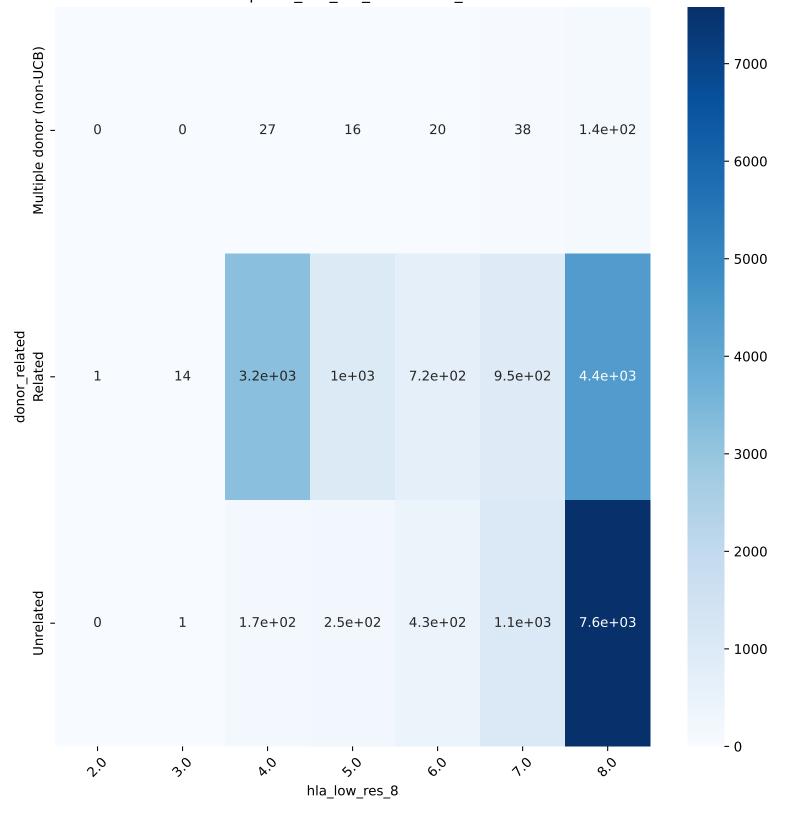


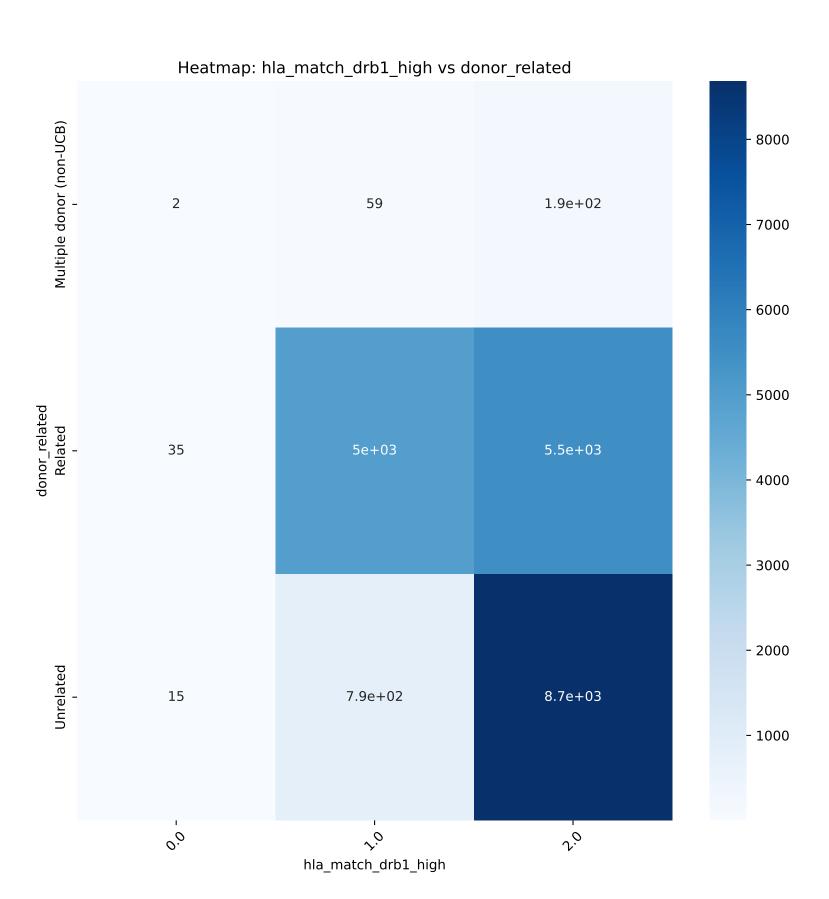


Heatmap: karnofsky\_score vs donor\_related

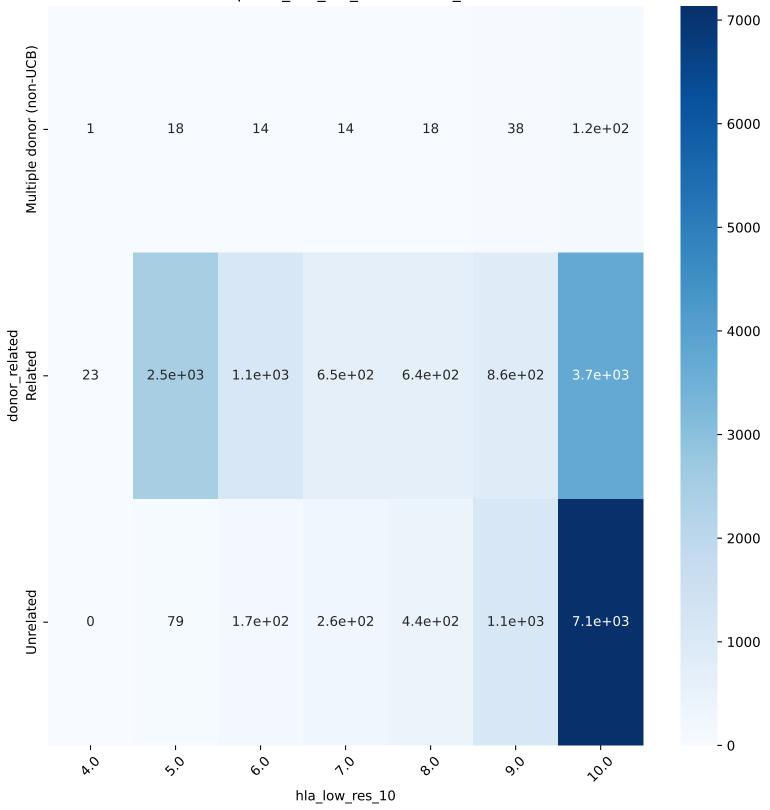


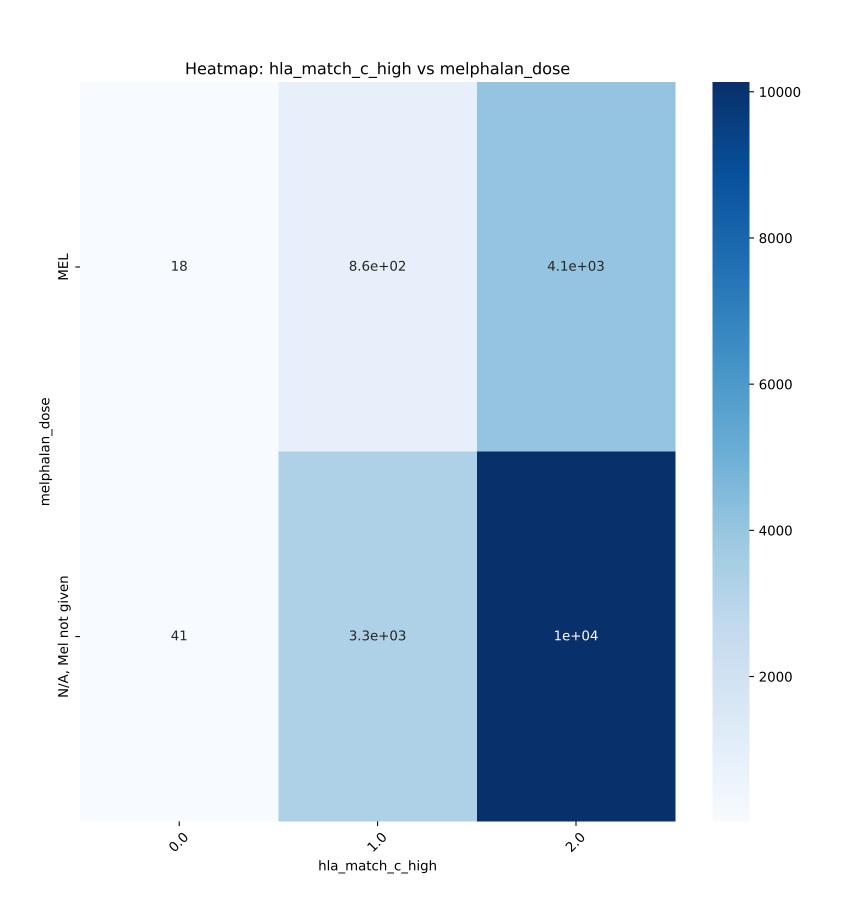
Heatmap: hla\_low\_res\_8 vs donor\_related

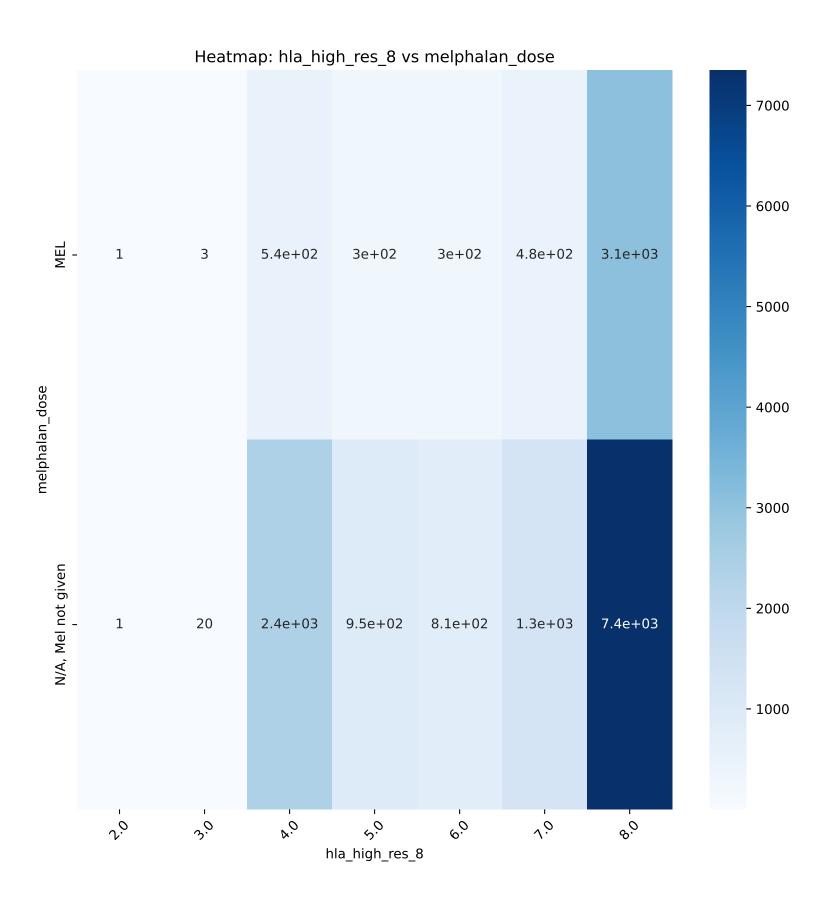


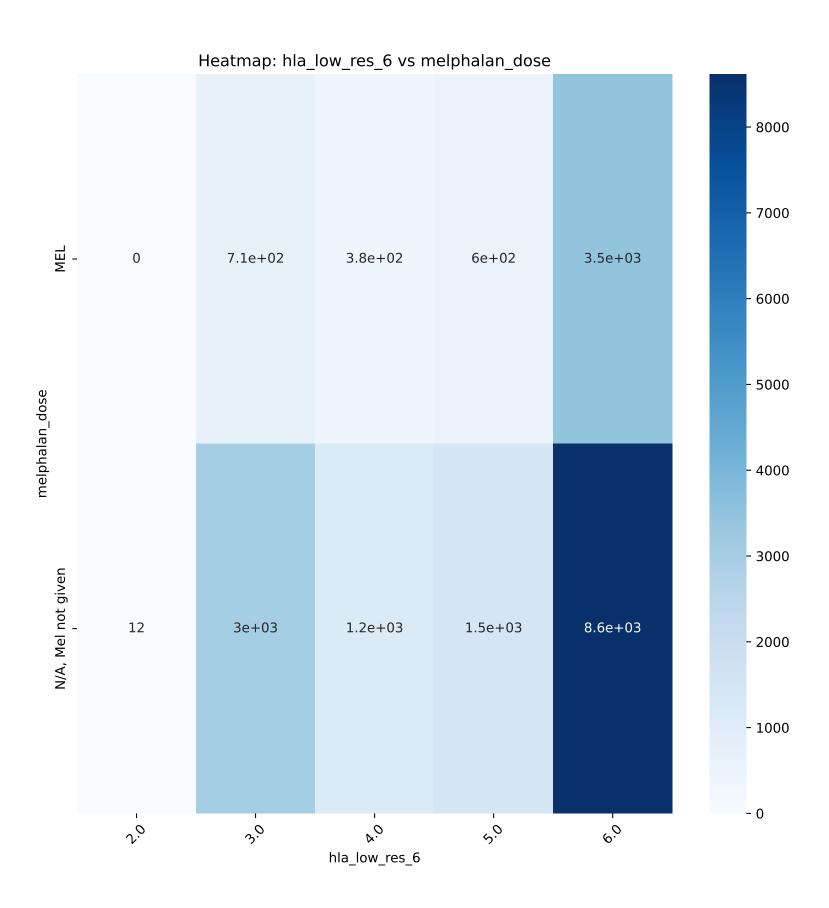


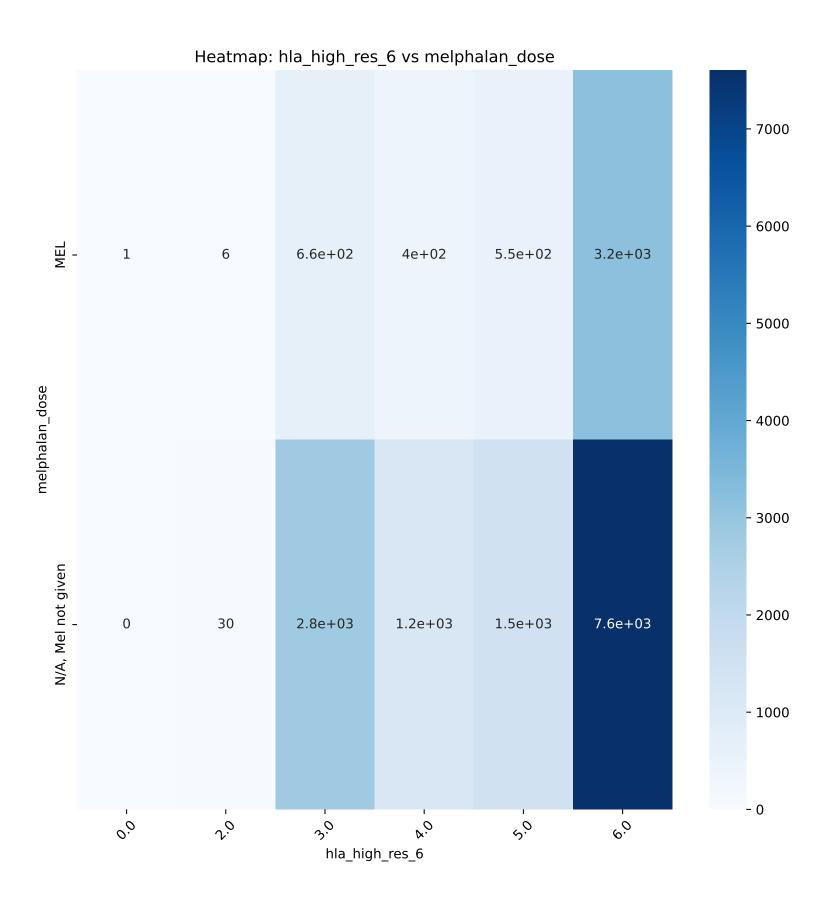
Heatmap: hla\_low\_res\_10 vs donor\_related



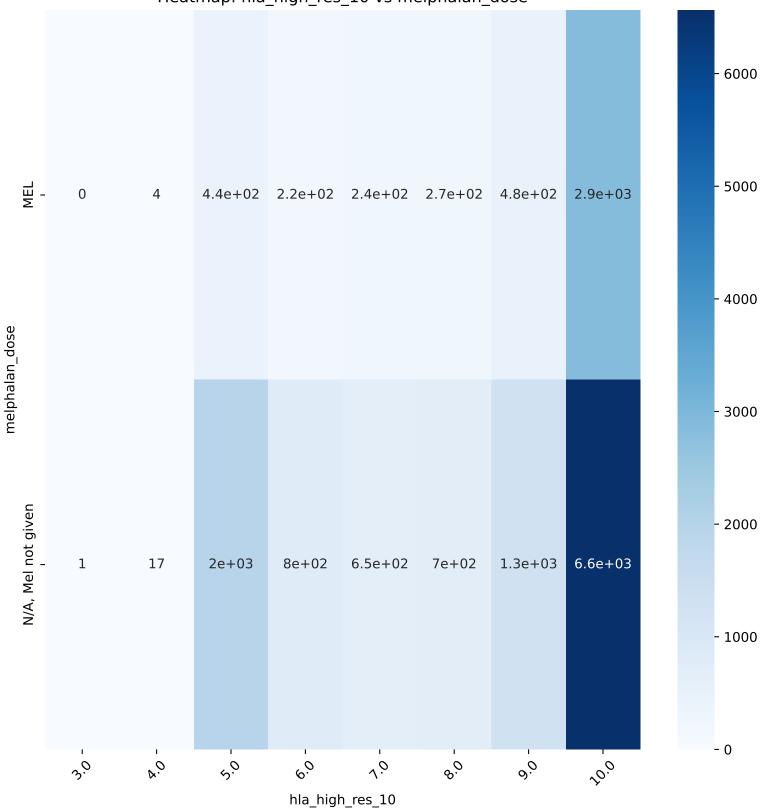


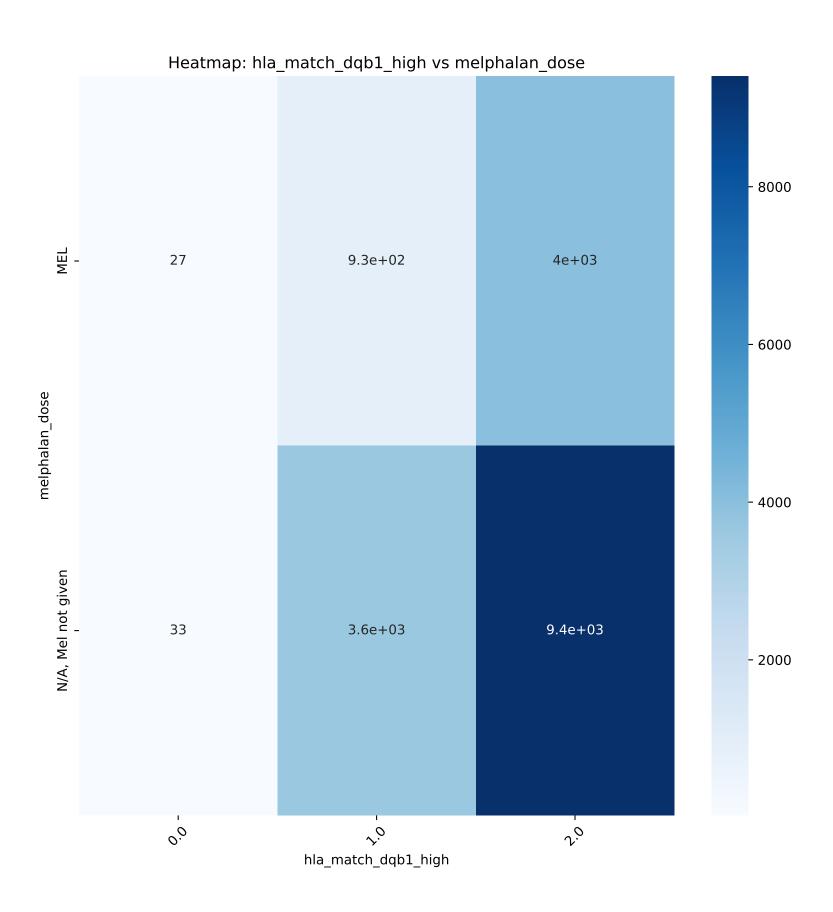


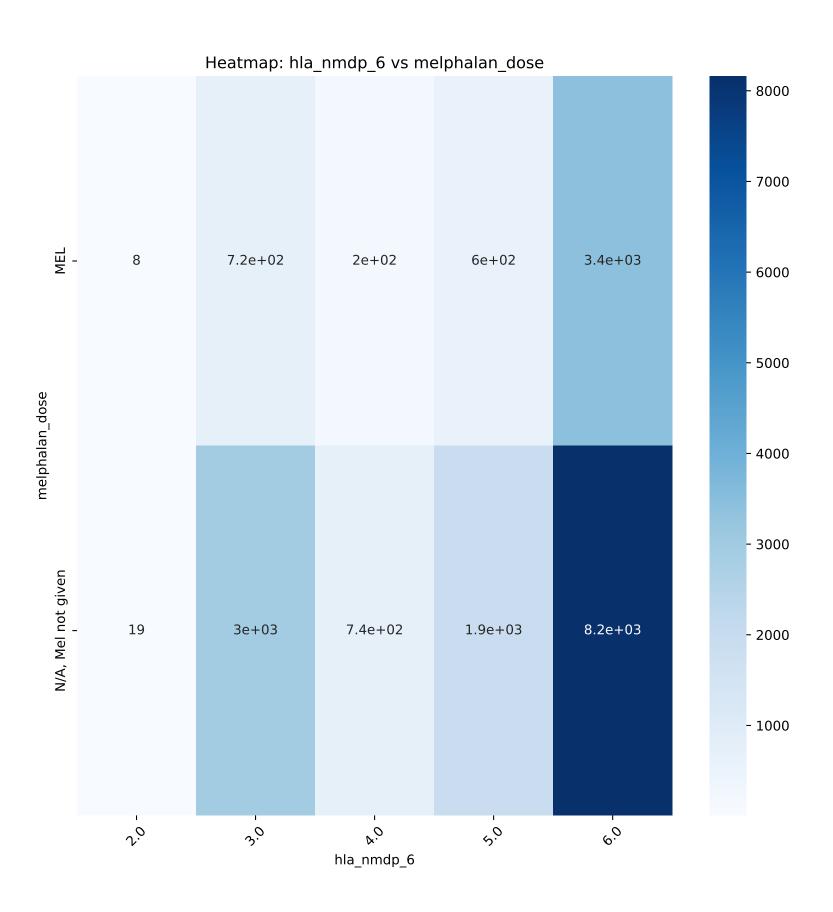


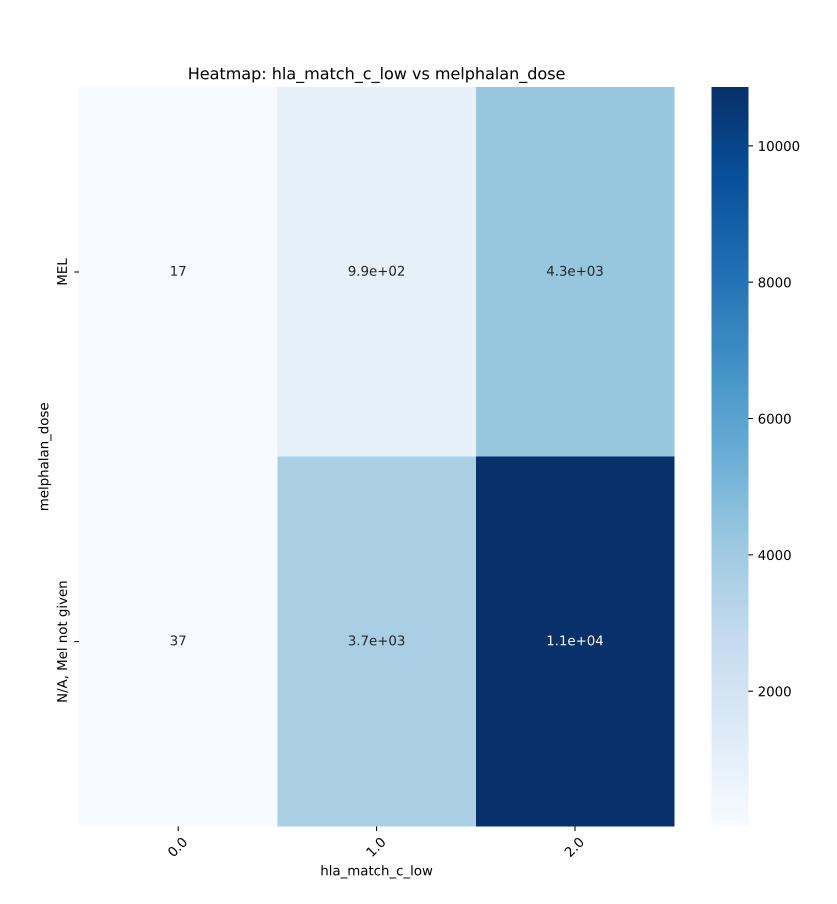


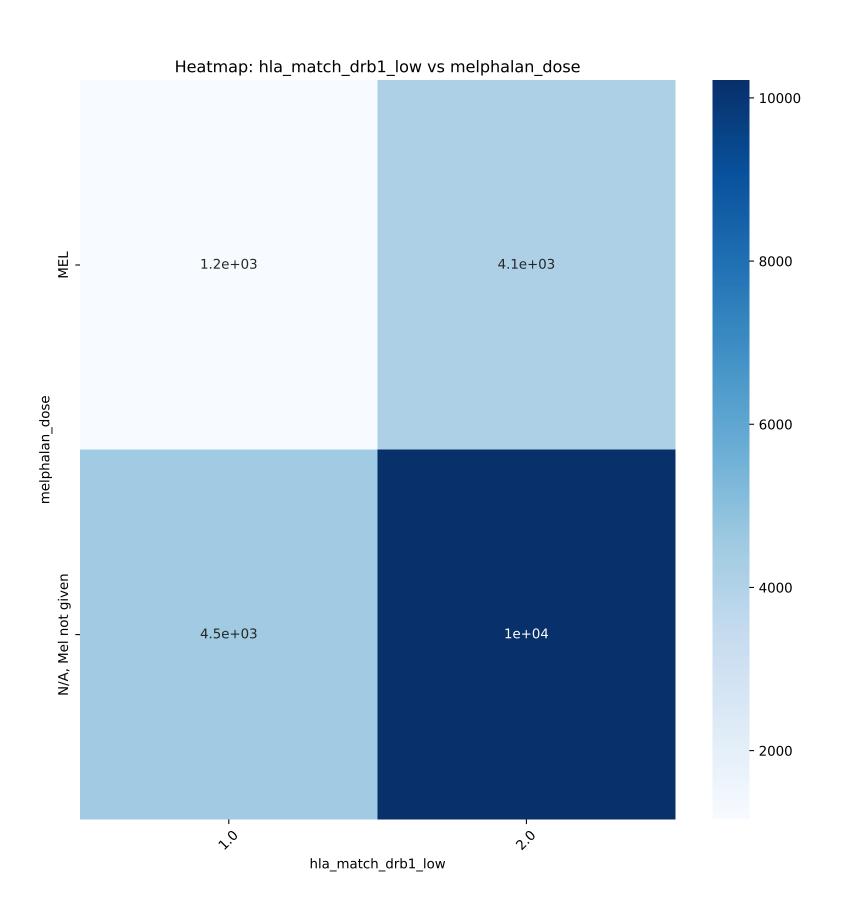
Heatmap: hla\_high\_res\_10 vs melphalan\_dose

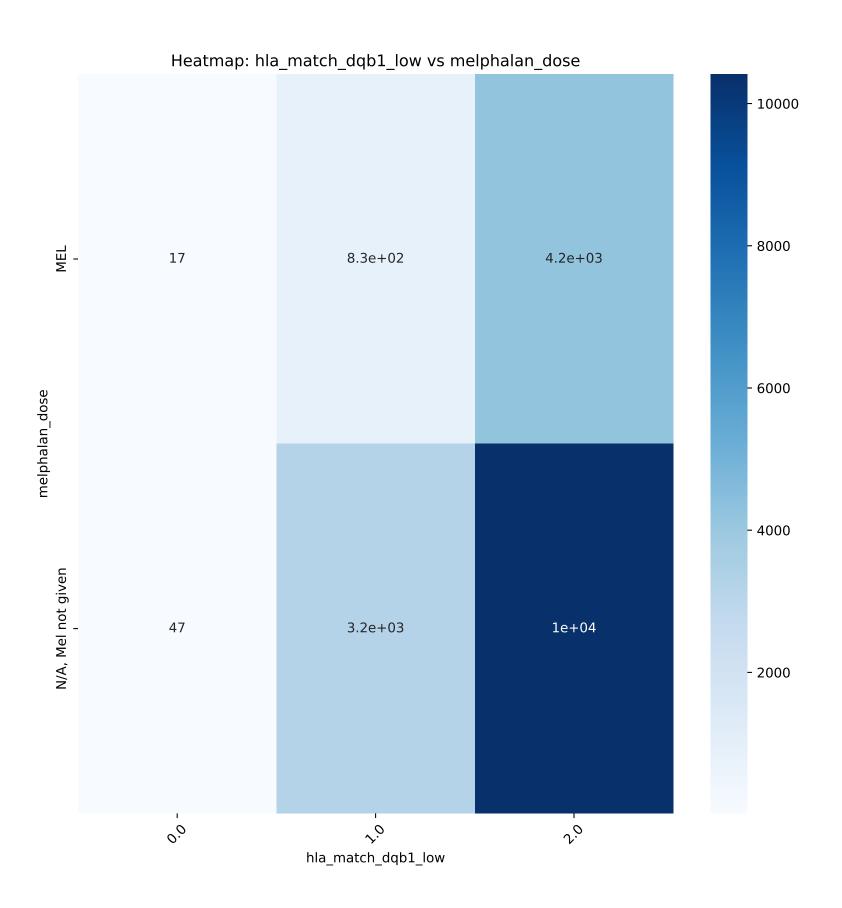


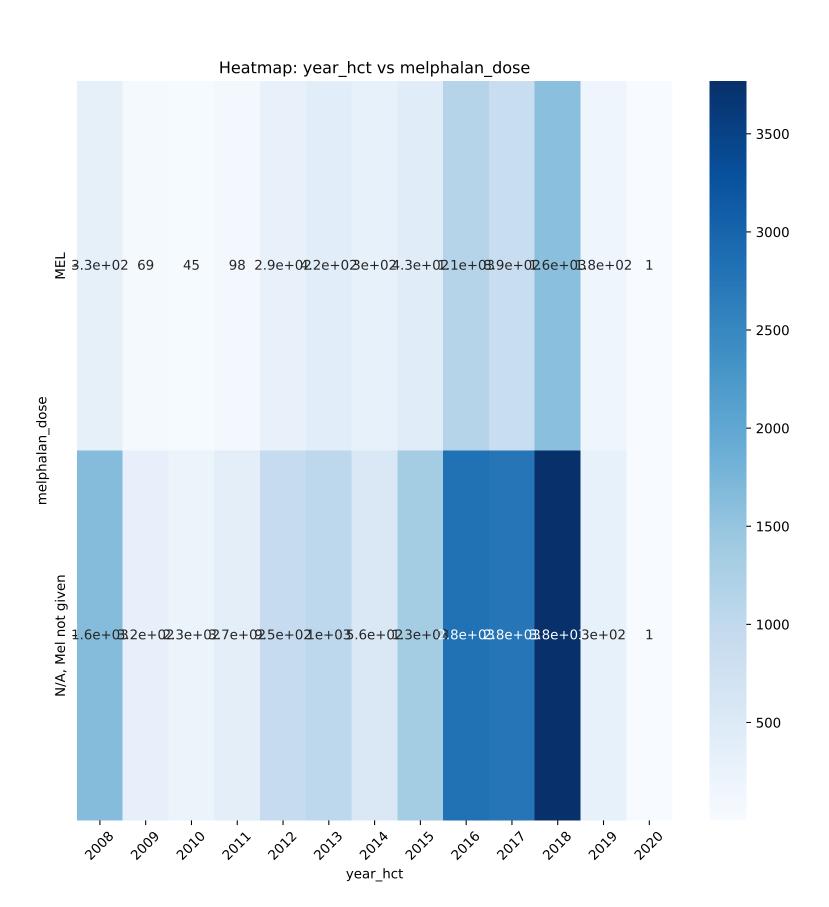


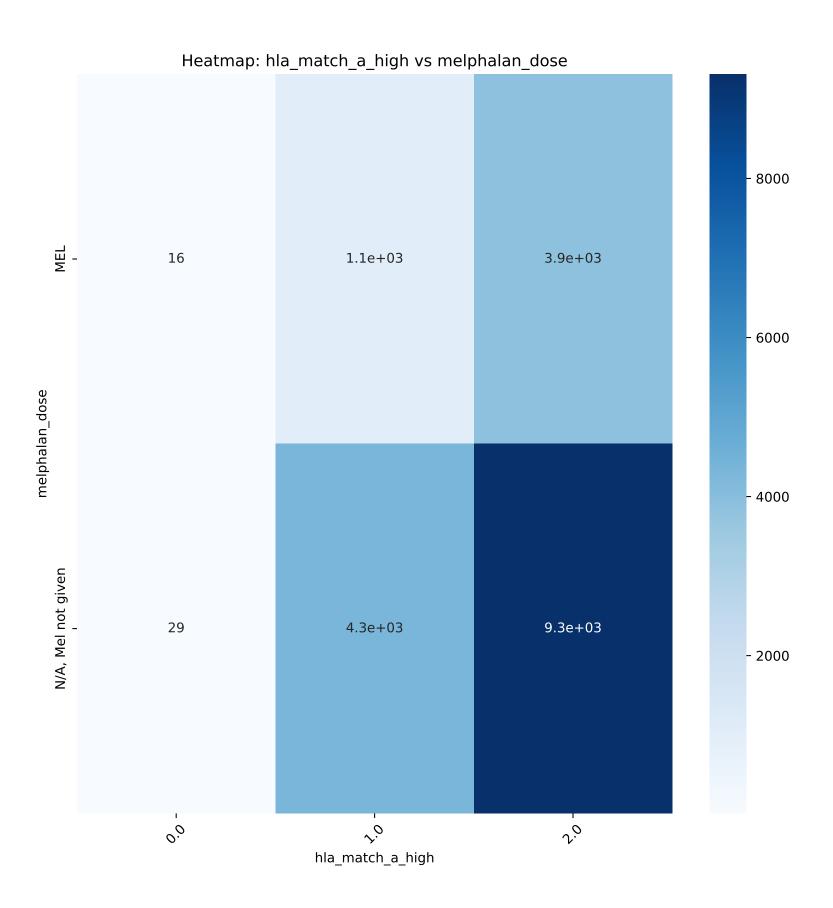




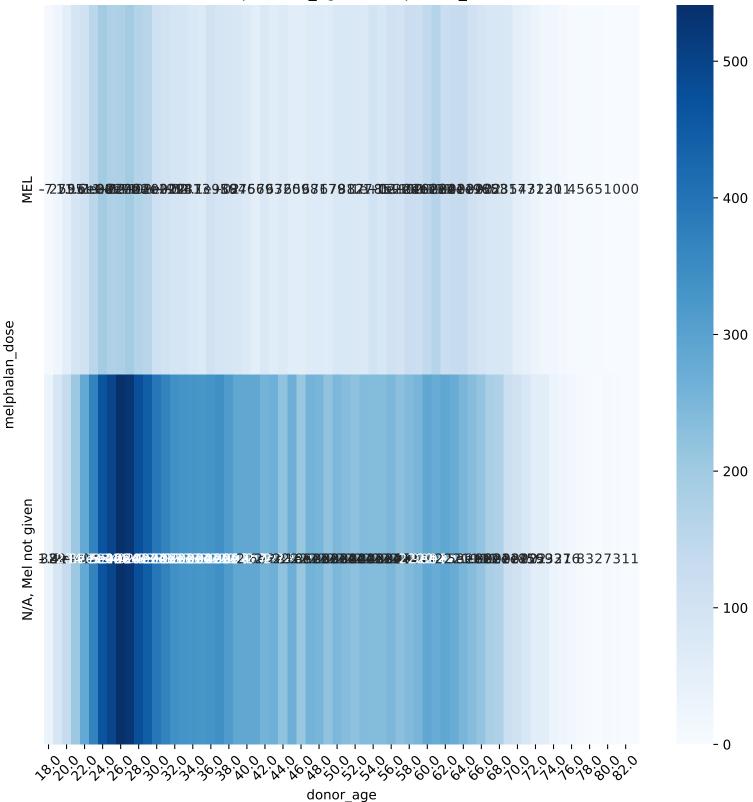


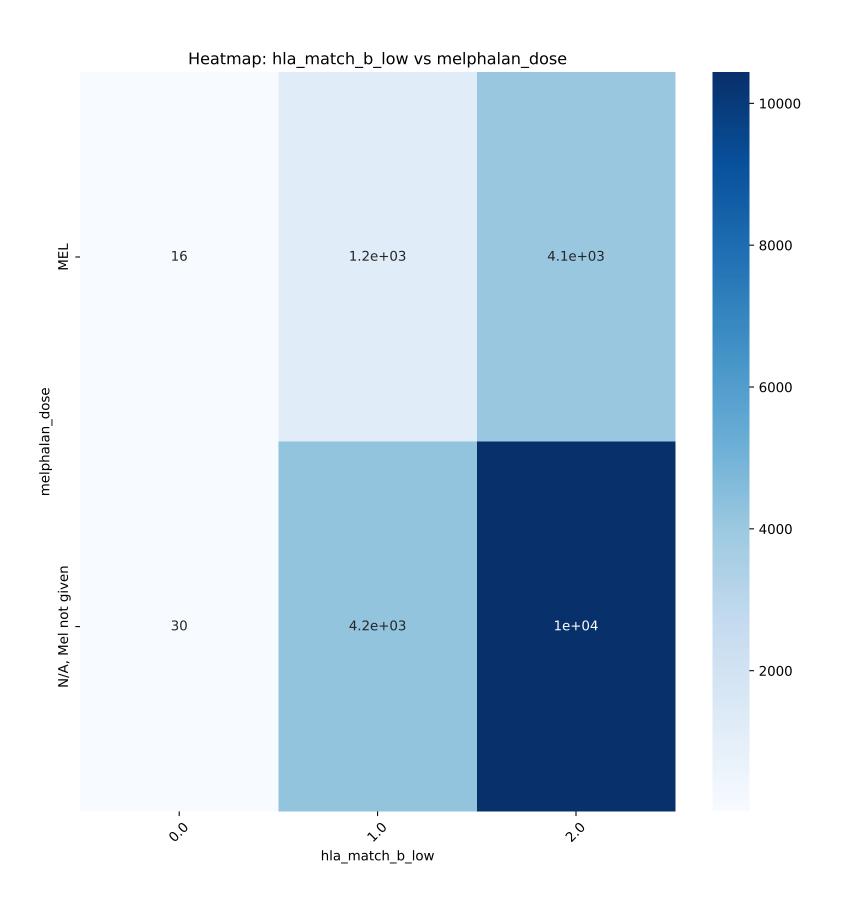


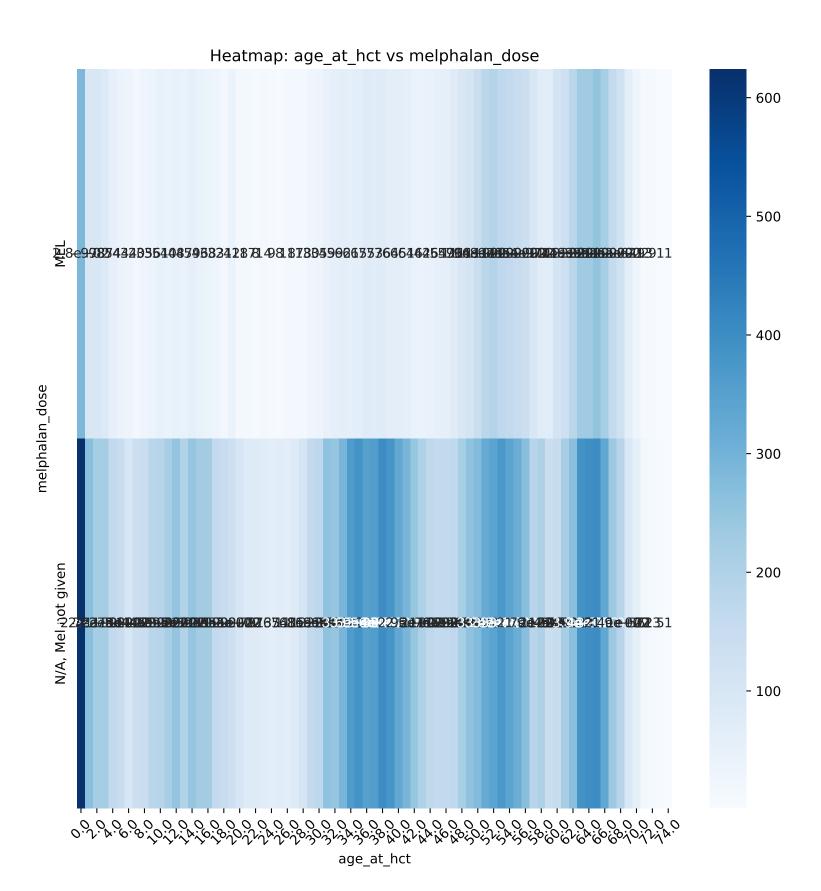


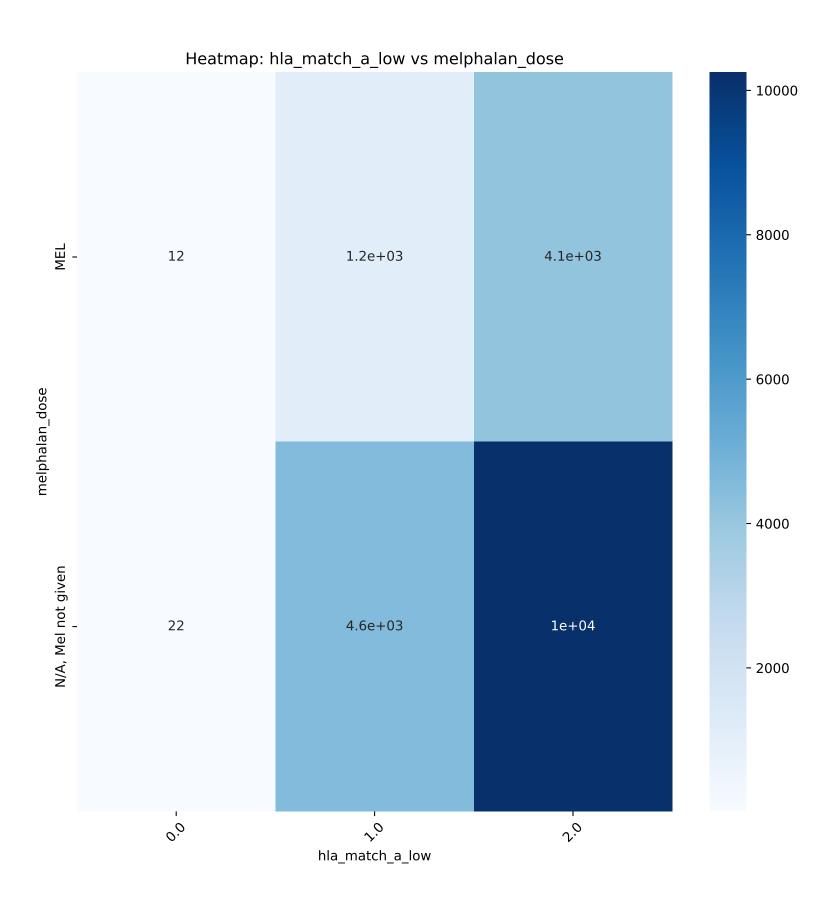


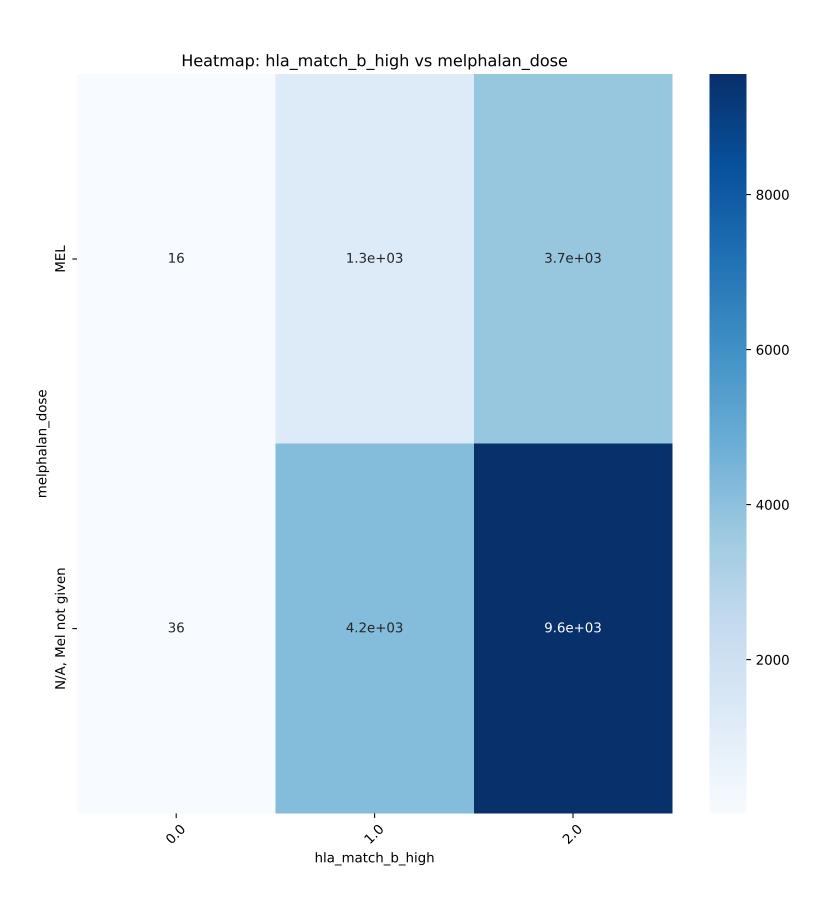


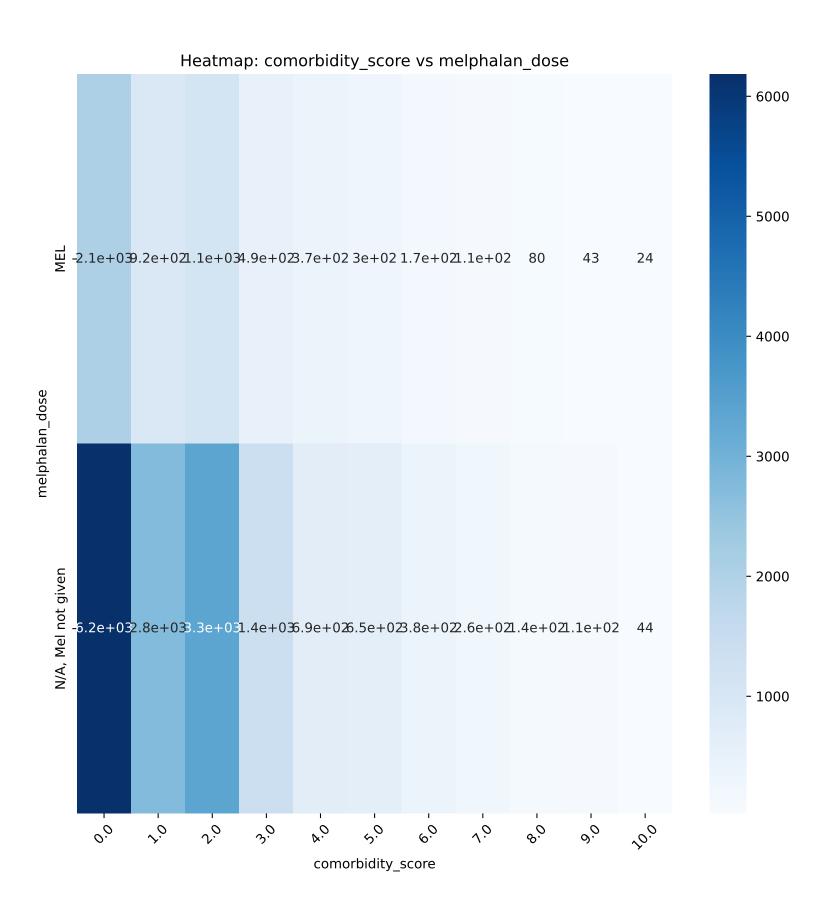


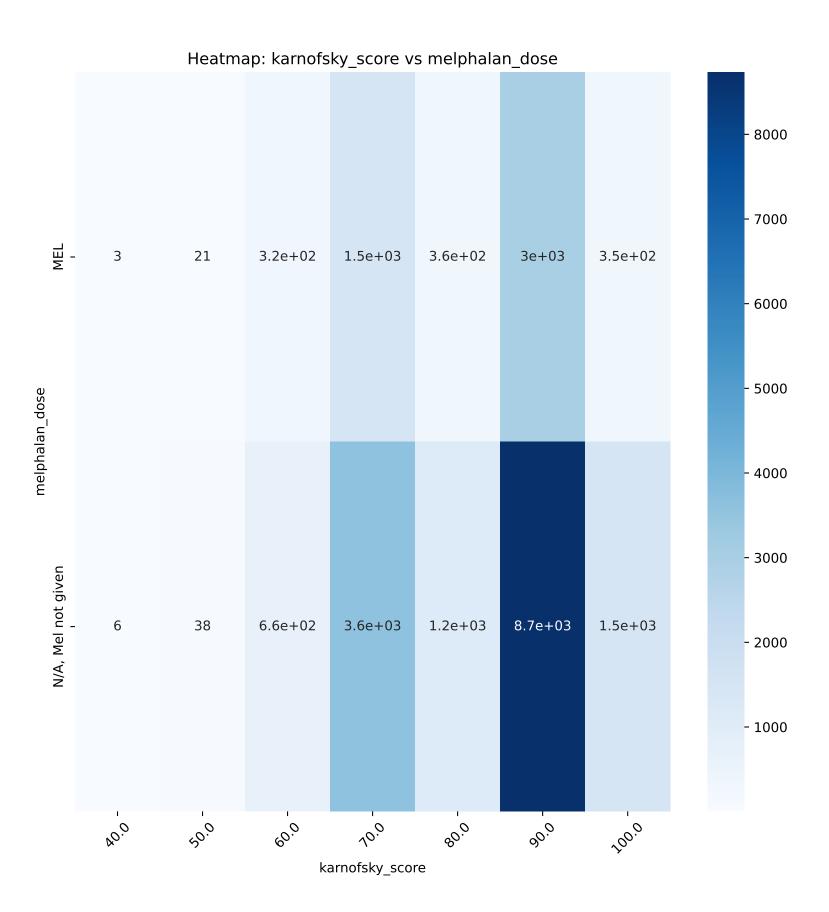






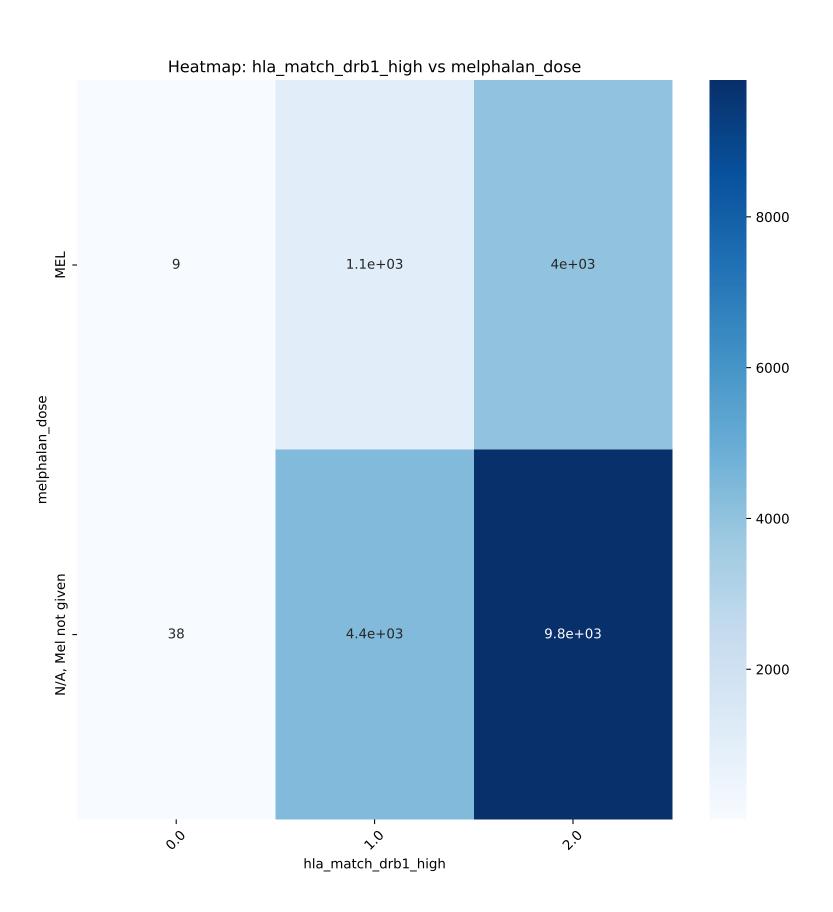






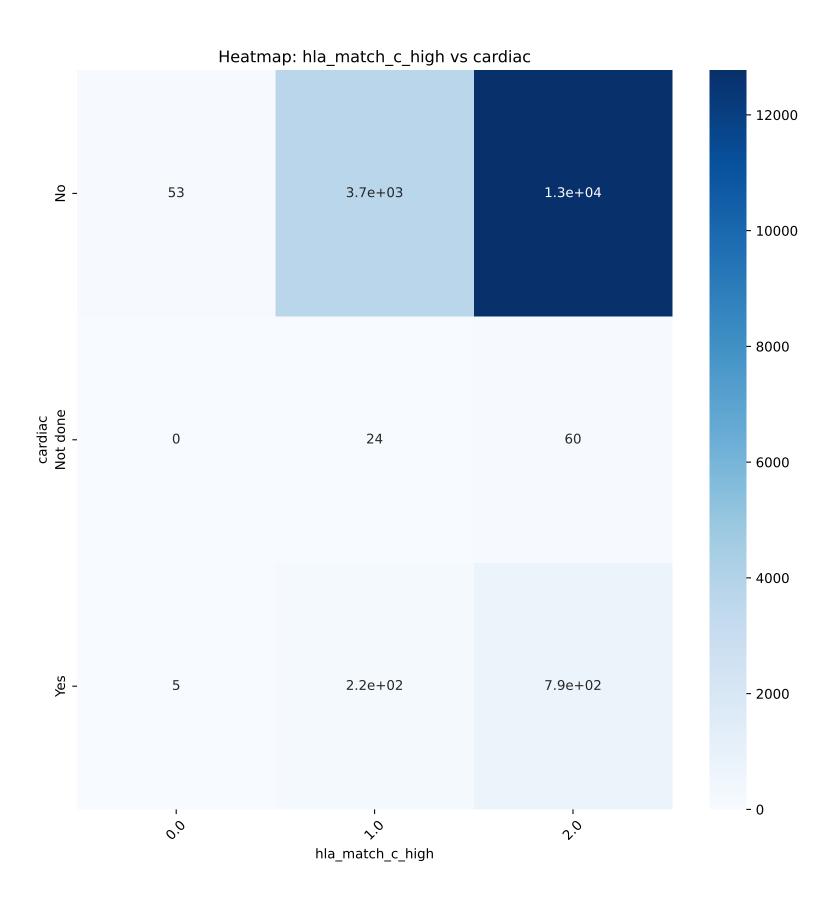
Heatmap: hla\_low\_res\_8 vs melphalan\_dose - 8000 - 7000 MEL -0 5.9e+02 3 2.9e+02 3.4e+03 3e+02 5.4e + 026000 5000 melphalan\_dose - 4000 - 3000 N/A, Mel not given 1 7 2.7e+03 9.1e+02 8.1e+02 8.3e+03 1.4e+03 - 2000 - 1000 - 0 60 70 80 0,0 50

hla\_low\_res\_8



Heatmap: hla\_low\_res\_10 vs melphalan\_dose - 7000 6000 MEL -2 4.1e+02 3.1e+03 3e+02 2.3e+02 2.8e+02 5.3e+02 - 5000 melphalan\_dose - 4000 - 3000 N/A, Mel not given - 2000 9.2e+02 7.5e+03 15 2e+03 6.5e+02 7.7e+02 1.4e+03 - 1000 ئ. ا 6,0 70 °0 90

hla\_low\_res\_10



Heatmap: hla\_high\_res\_8 vs cardiac 8000 မှ -9.4e+03 2 20 2.6e+03 1.1e+03 9.8e+02 1.6e+03 6000 cardiac Not done 0 0 20 5 6 12 34 4000 - 2000 Yes -3 1.4e+02 53 58 81 6.2e+02 - 0 °. 10 °.0 □

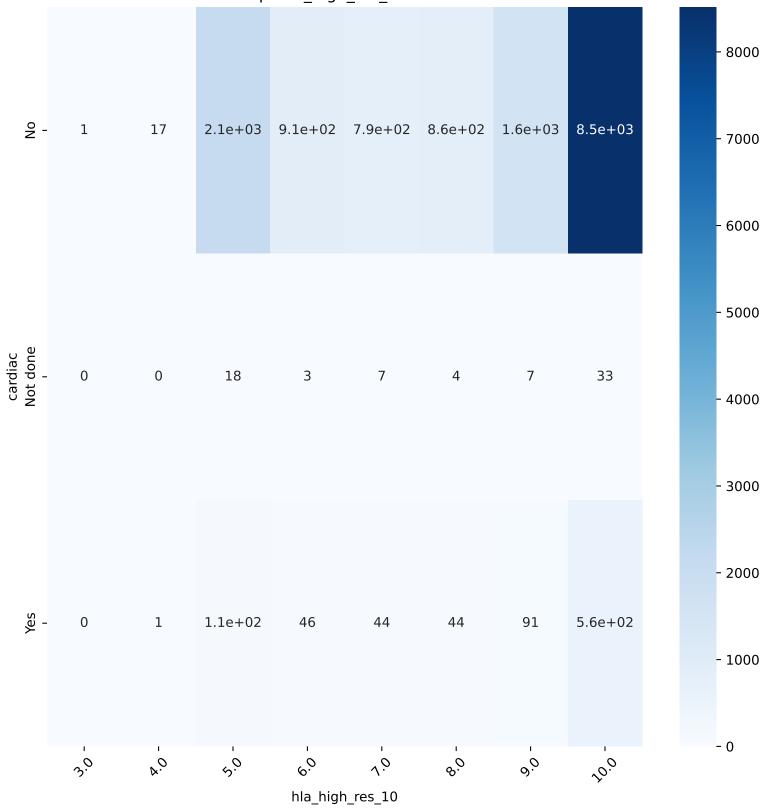
hla\_high\_res\_8

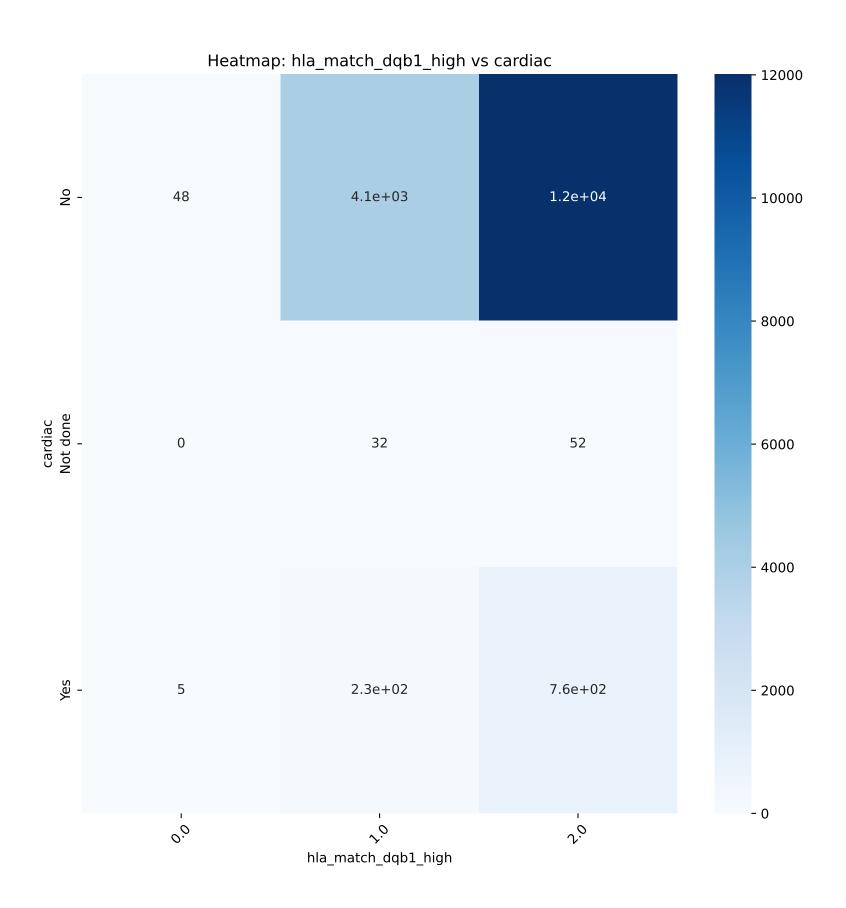
Heatmap: hla\_low\_res\_6 vs cardiac - 10000 မှ -13 3.4e+03 1.4e+03 1.9e+03 1.1e+04 - 8000 6000 cardiac Not done 0 24 10 10 45 - 4000 - 2000 Yes -2 1.6e+02 7.3e+02 83 1.1e+02 - 0 60 ×.0

hla\_low\_res\_6

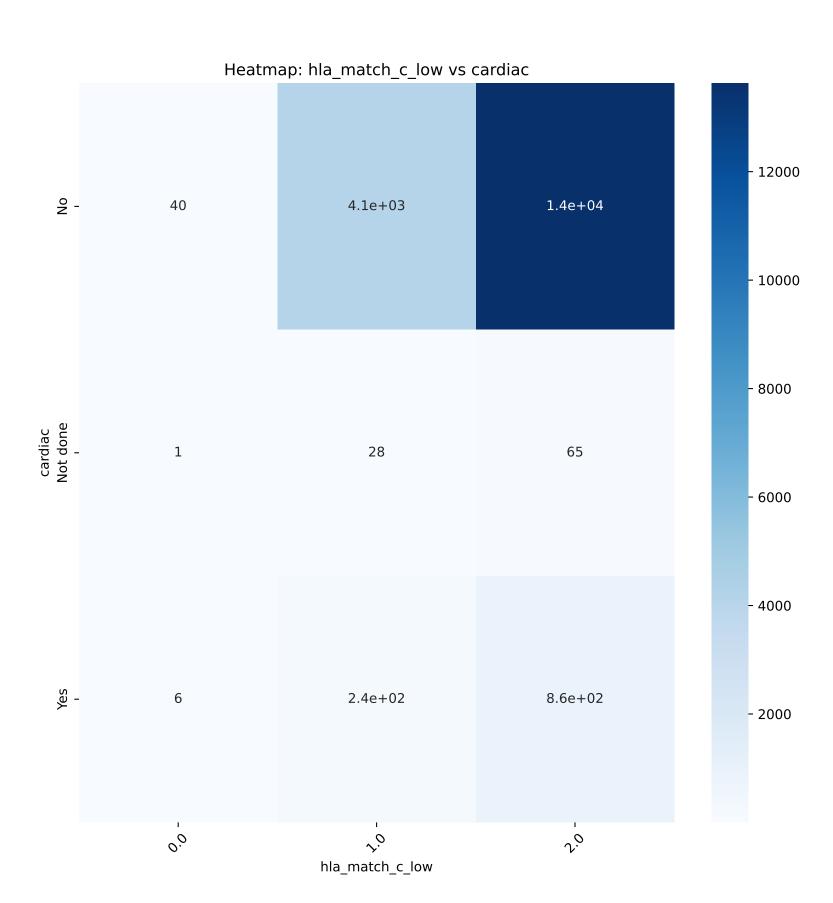
Heatmap: hla\_high\_res\_6 vs cardiac 원 -1 28 3.1e+03 1.4e+03 1.8e+03 9.7e+03 - 8000 6000 cardiac Not done 0 0 24 7 13 35 - 4000 - 2000 Yes -0 1.6e+02 80 95 6.5e+02 - 0 60 hla\_high\_res\_6

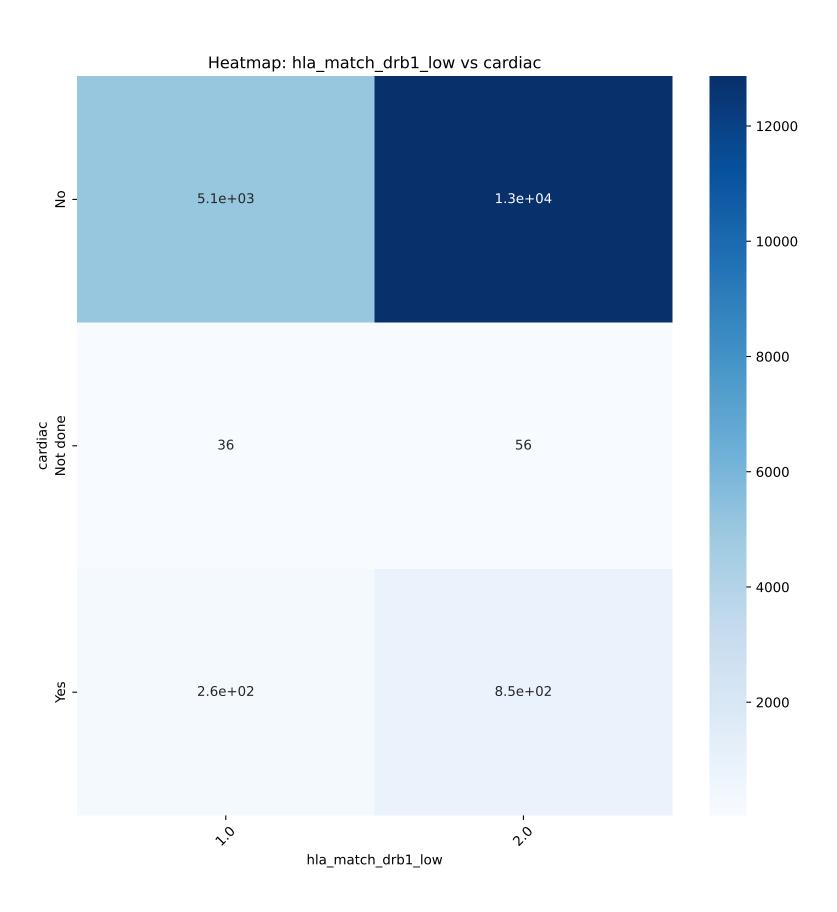
Heatmap: hla\_high\_res\_10 vs cardiac

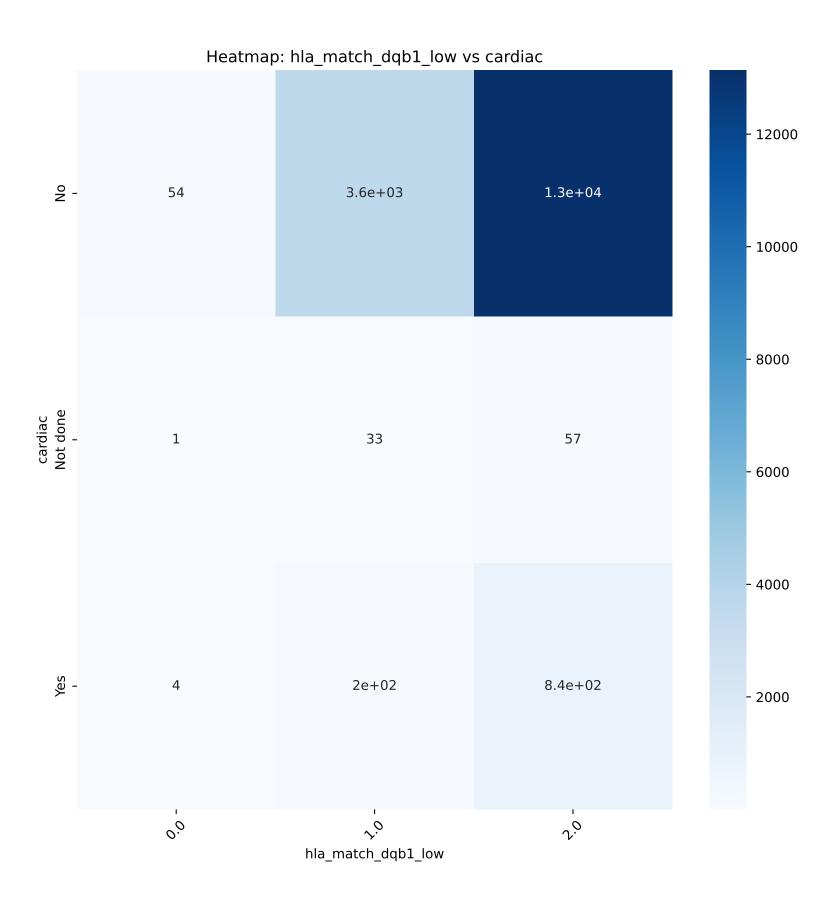




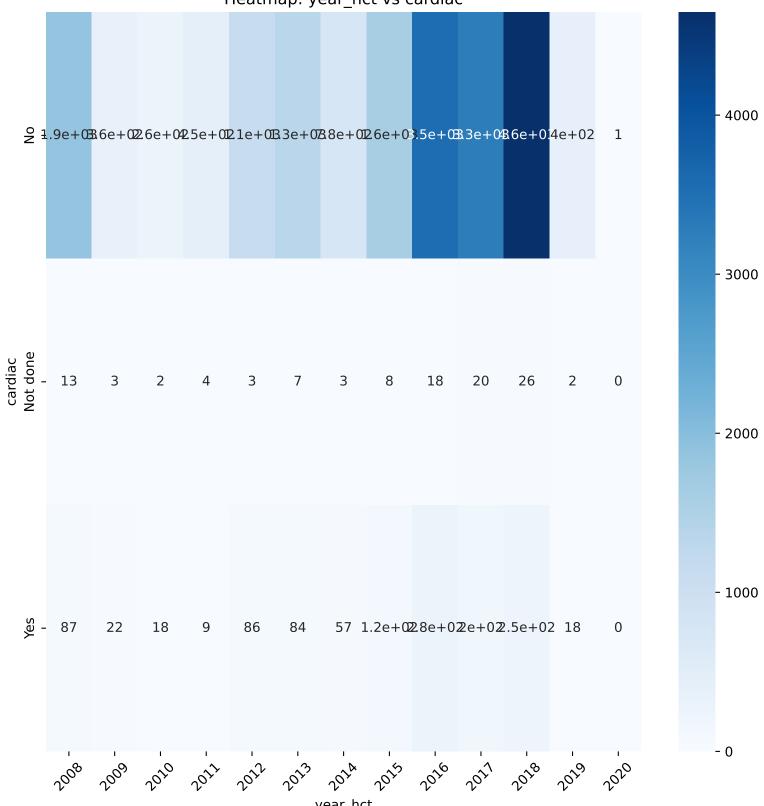
Heatmap: hla\_nmdp\_6 vs cardiac - 10000 % -24 3.2e+03 8.4e+02 2.3e+03 1e+04 8000 6000 cardiac Not done 0 23 7 39 13 - 4000 - 2000 Yes -2 1.7e+02 7.1e+02 49 98 - 0 Ø. 0 60 hla\_nmdp\_6

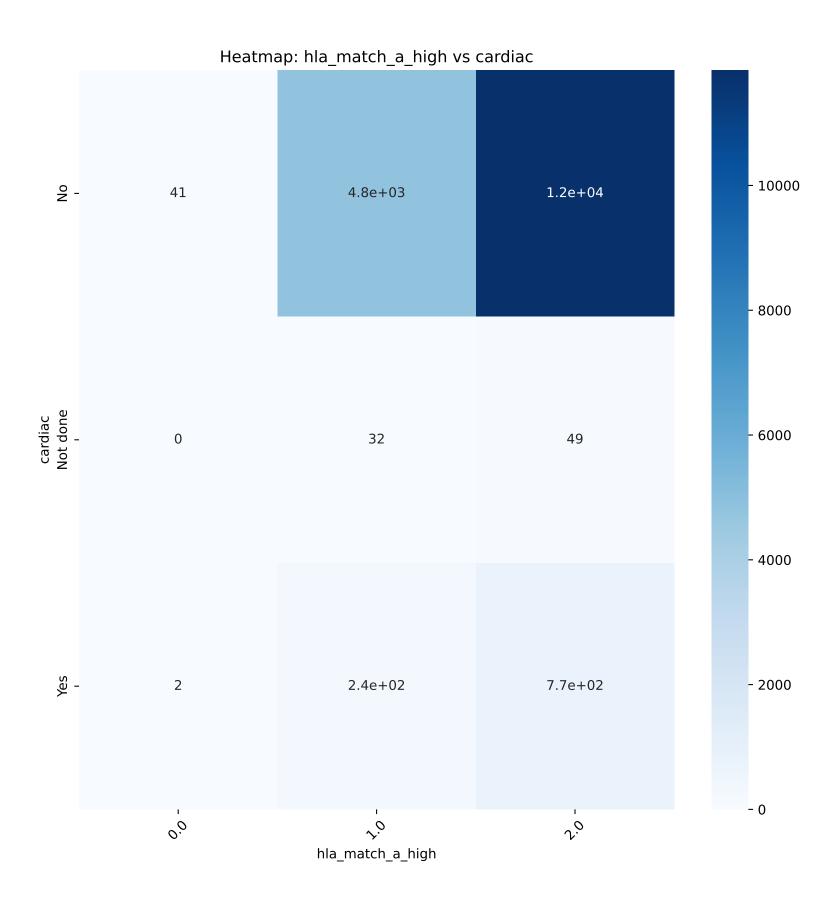


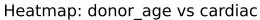


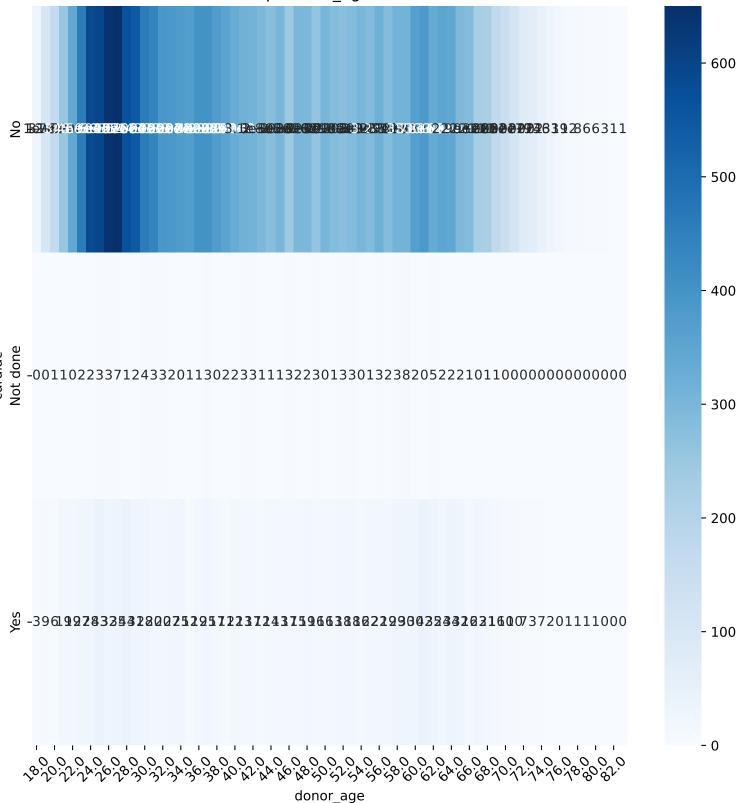


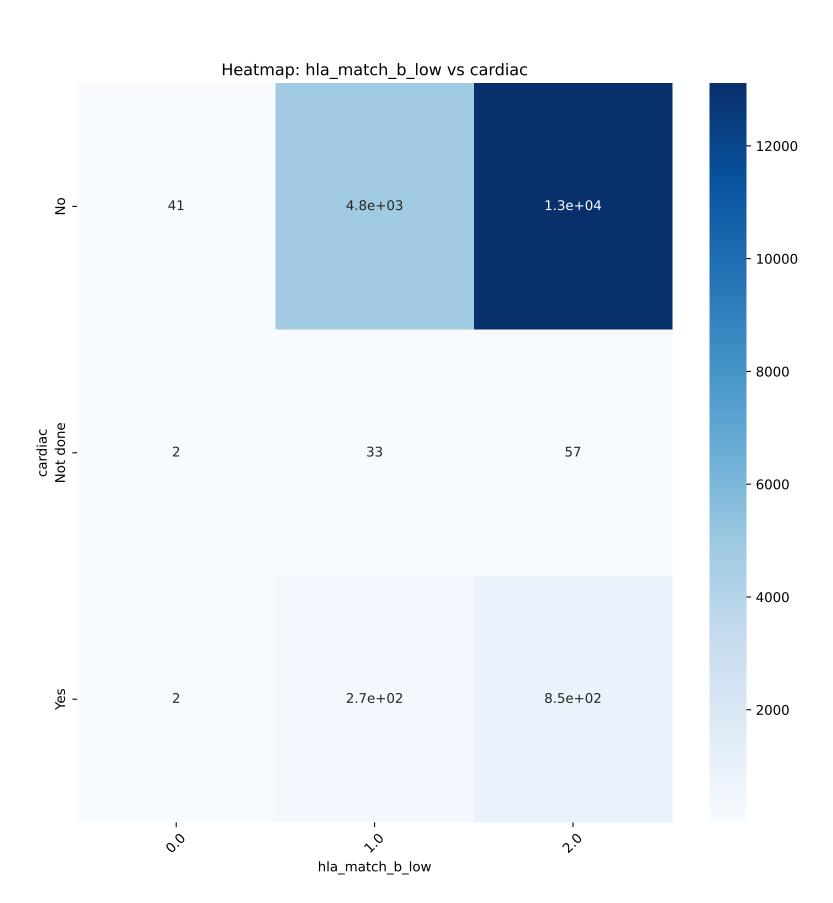




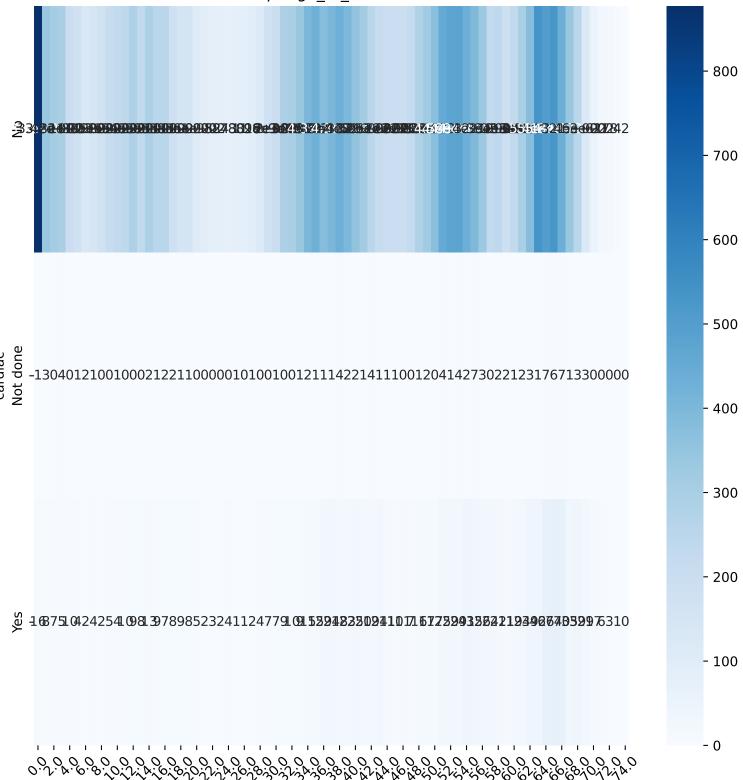


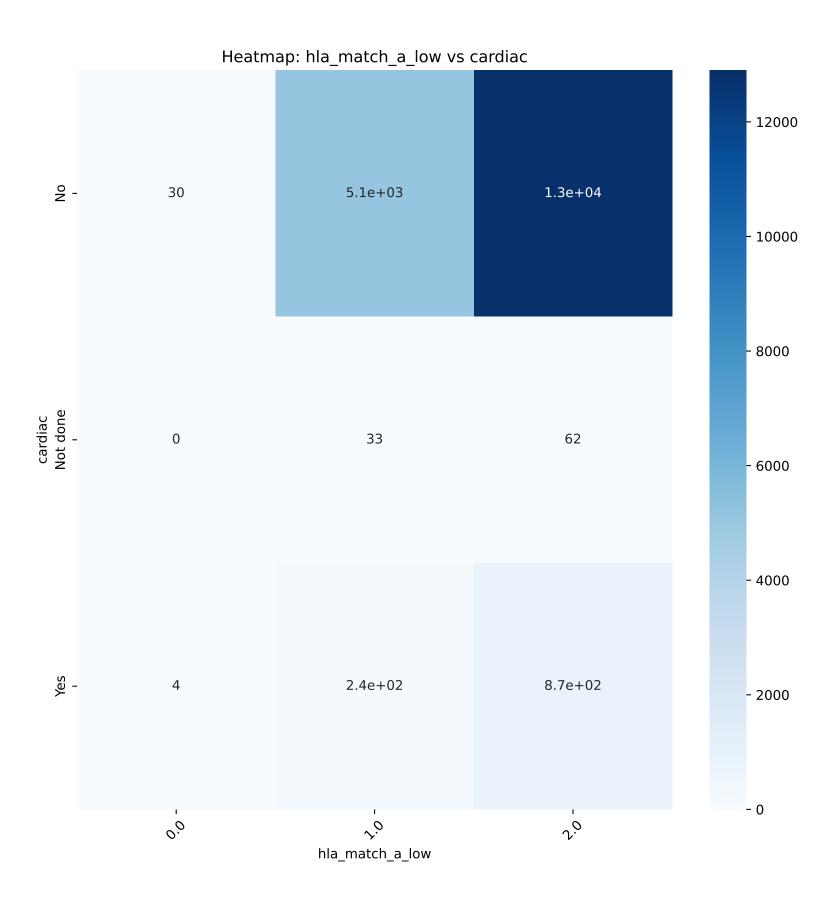


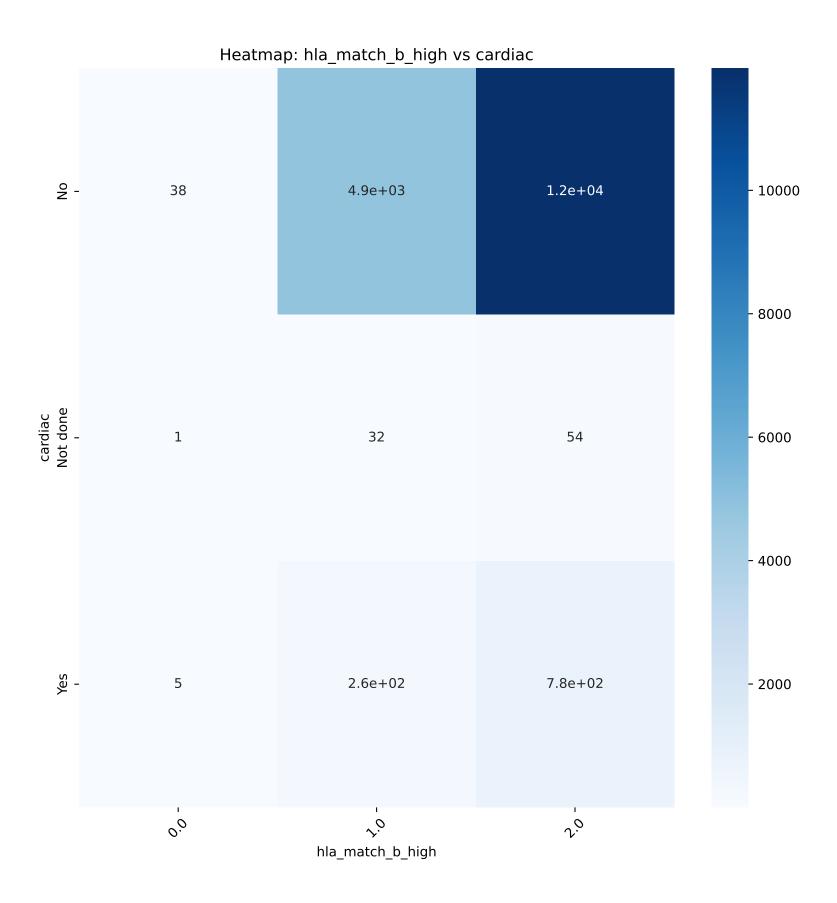




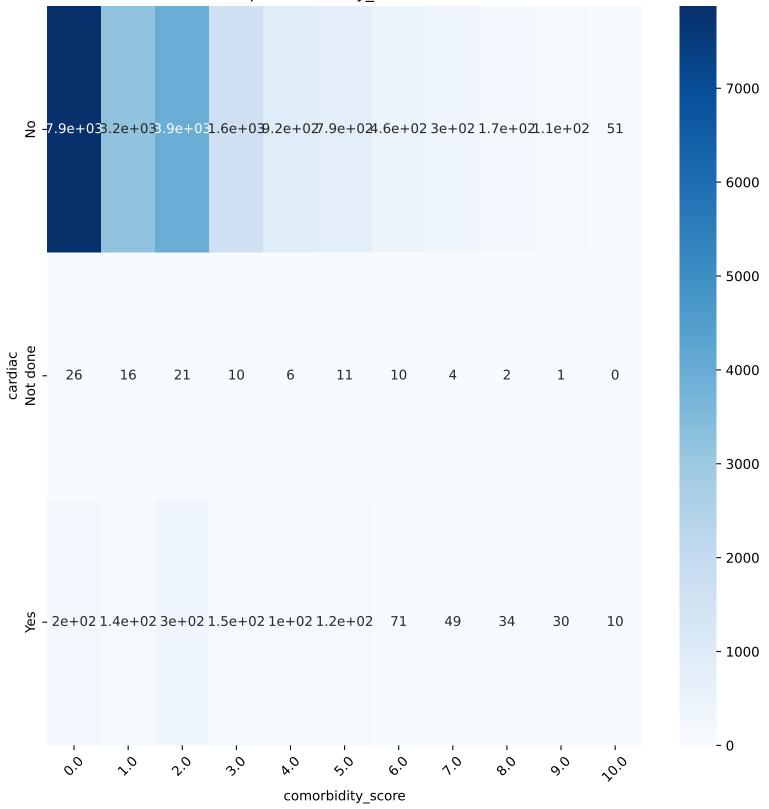
## Heatmap: age\_at\_hct vs cardiac





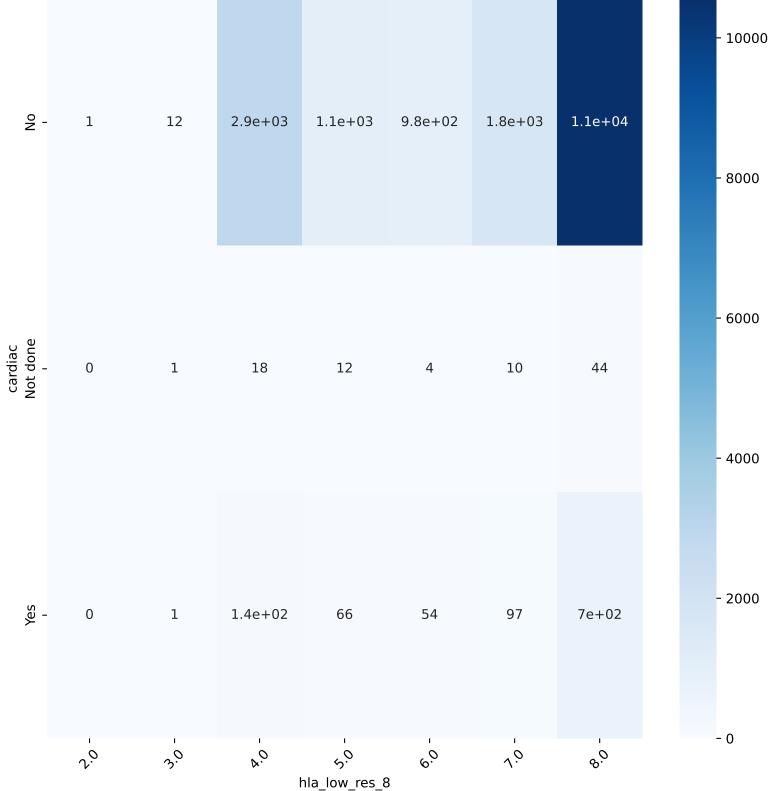


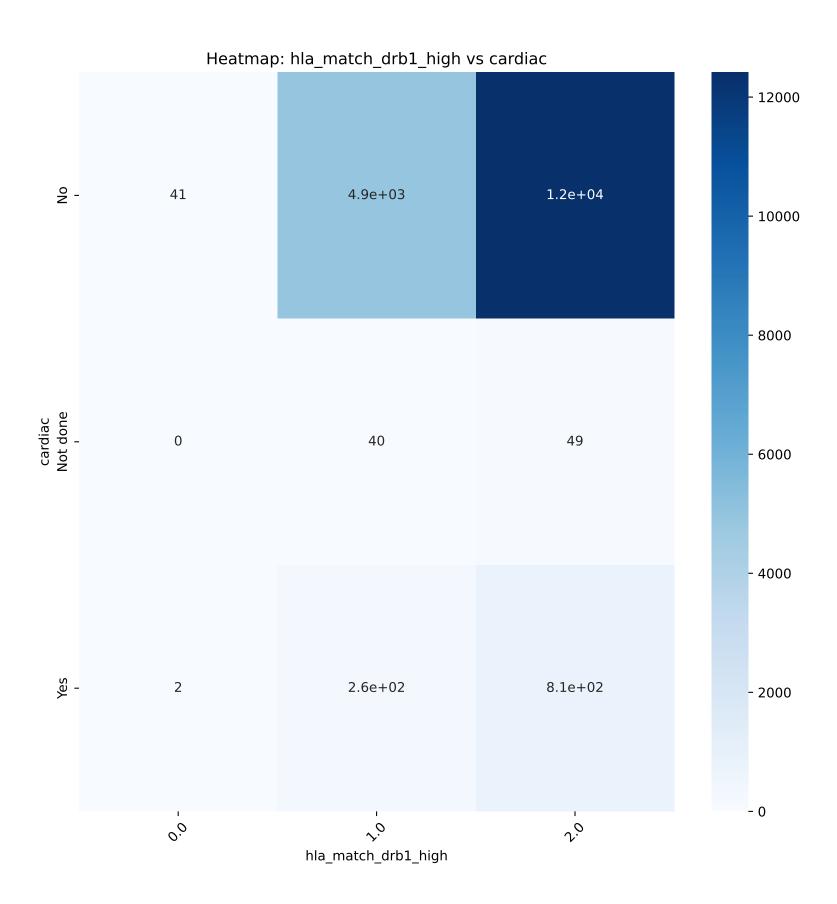




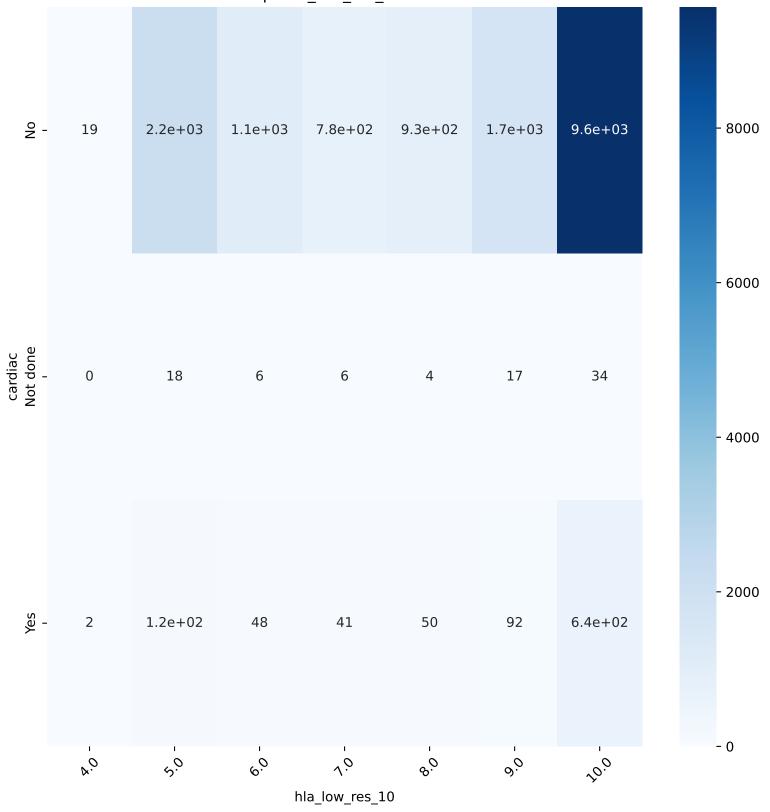
Heatmap: karnofsky\_score vs cardiac - 10000 မှ -8.4e+02 4.5e+03 1.7e+03 8 55 1.3e+03 1.1e+04 - 8000 6000 cardiac Not done 0 0 5 30 5 54 9 - 4000 - 2000 Yes -4 77 3.6e+02 1.1e+02 5.8e+02 55 - 0 100 karnofsky\_score

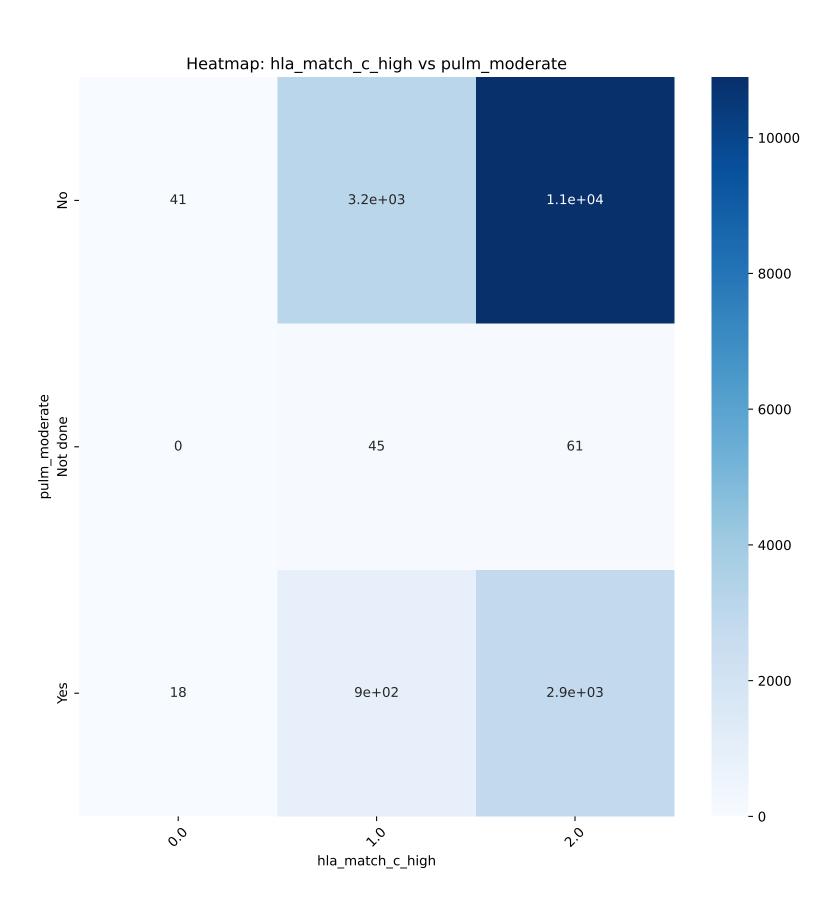
Heatmap: hla\_low\_res\_8 vs cardiac

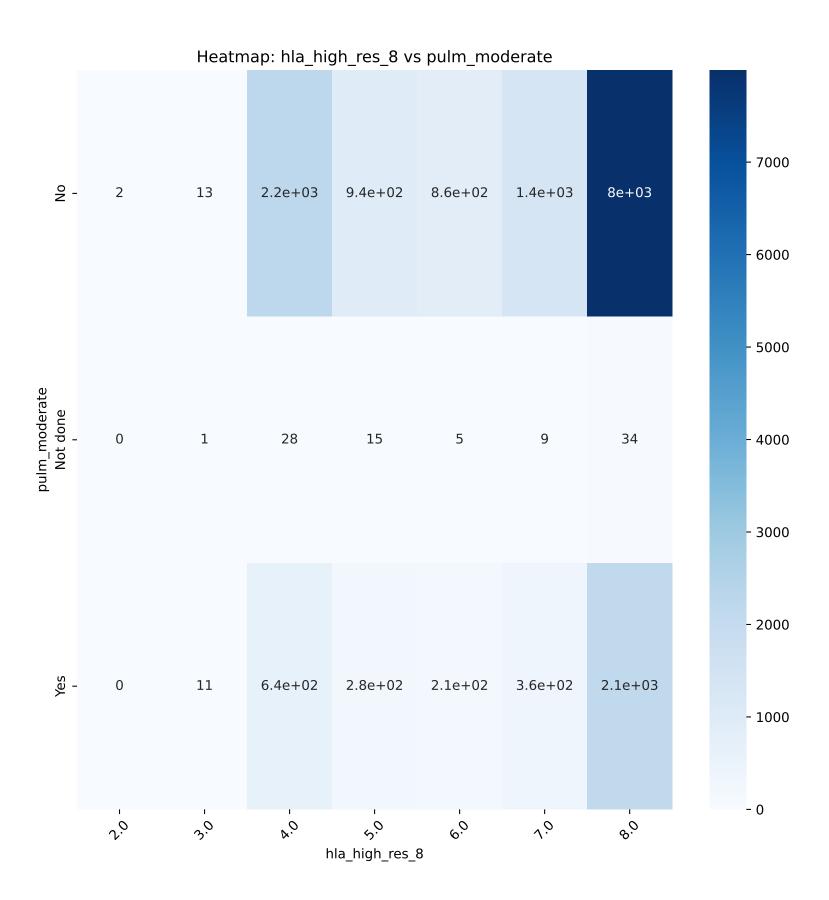


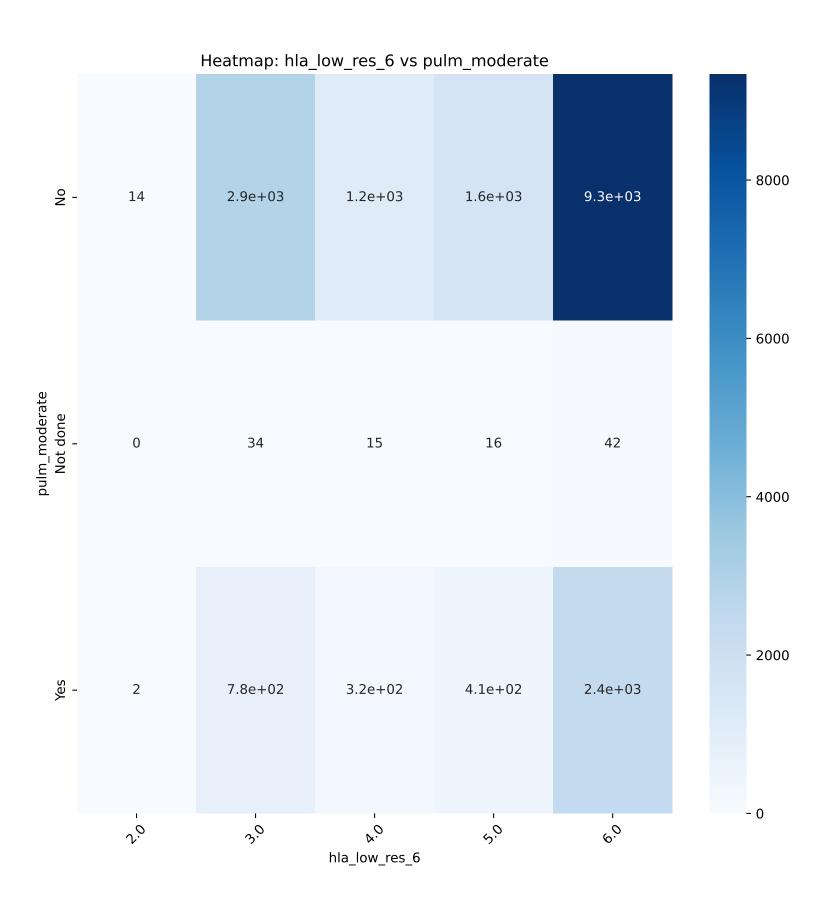


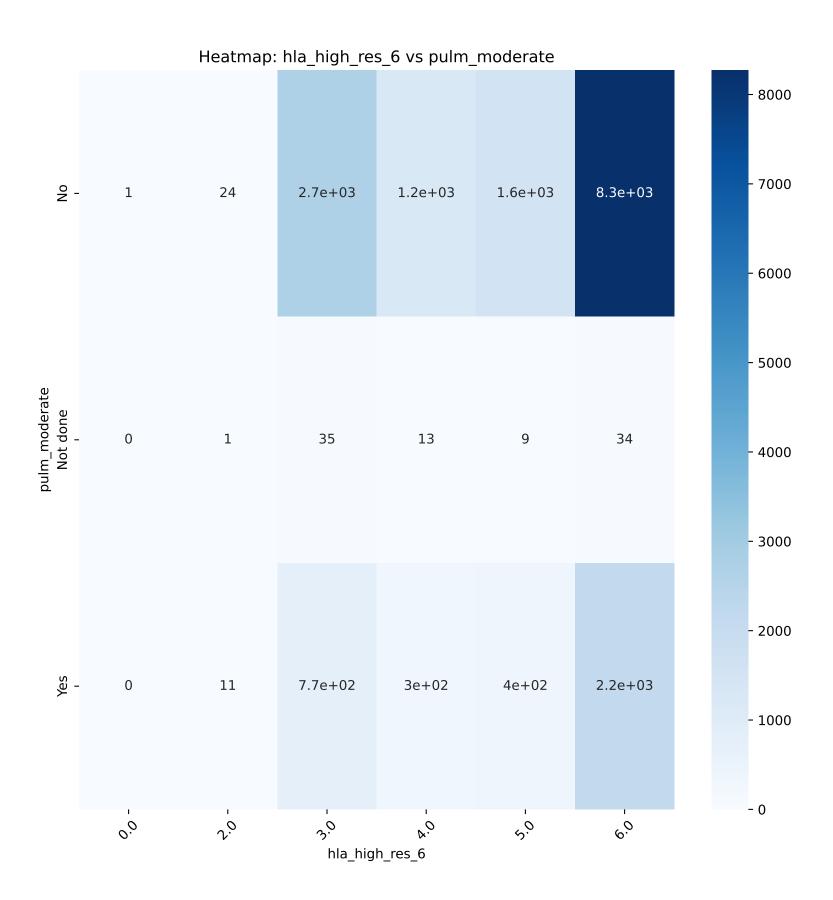
Heatmap: hla\_low\_res\_10 vs cardiac



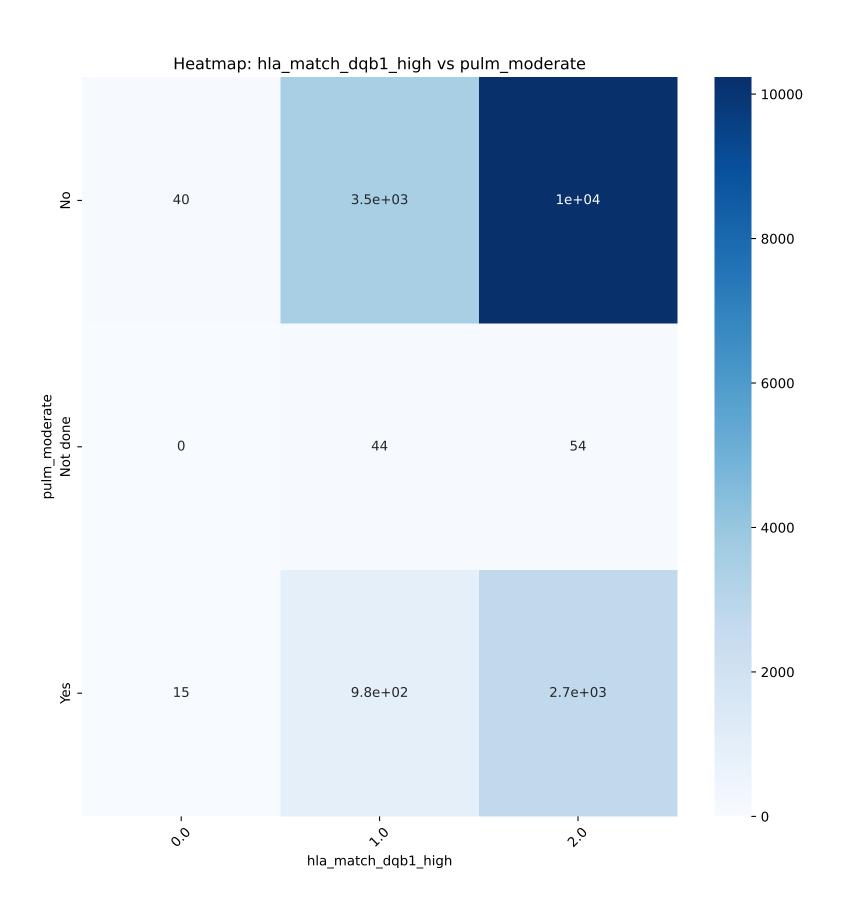


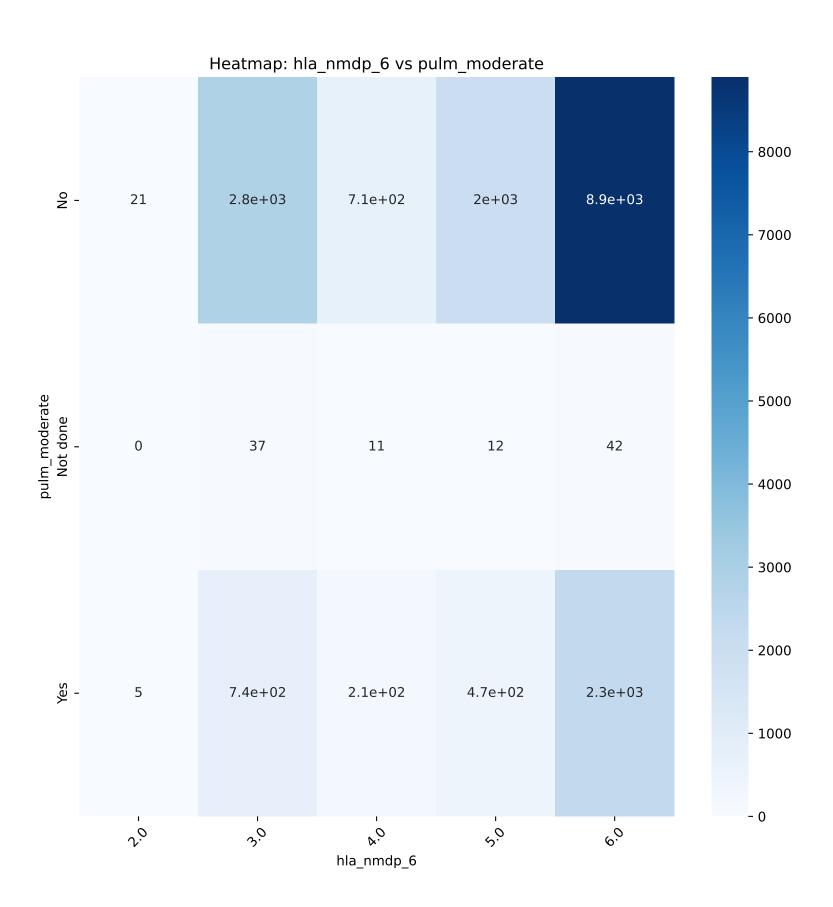


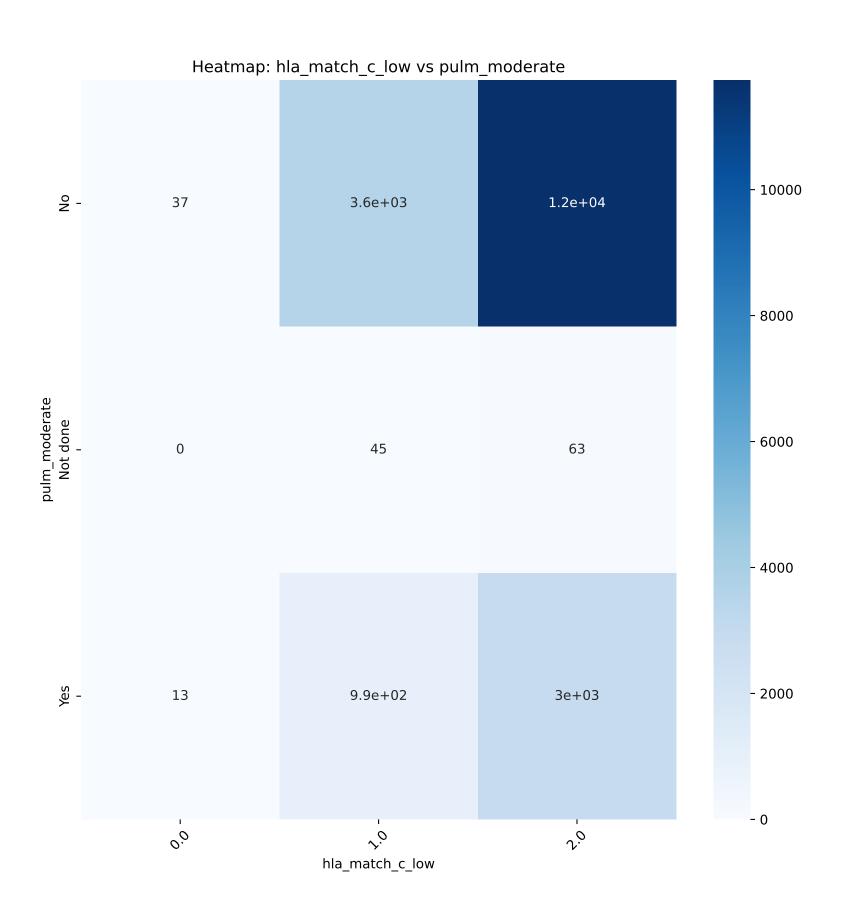


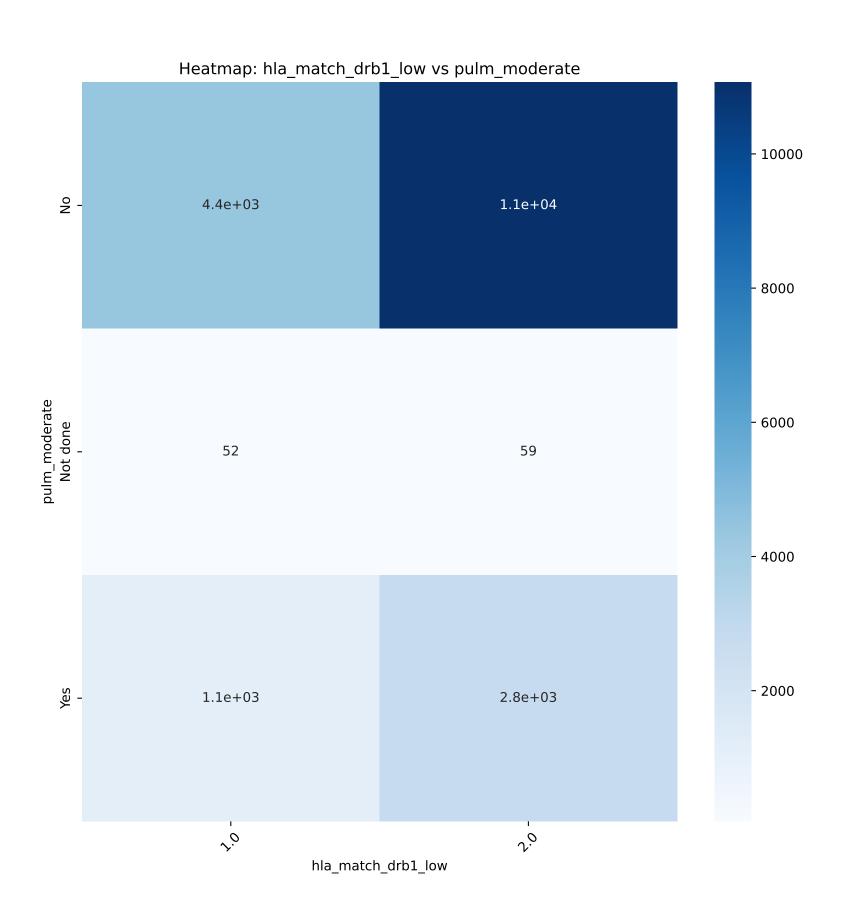


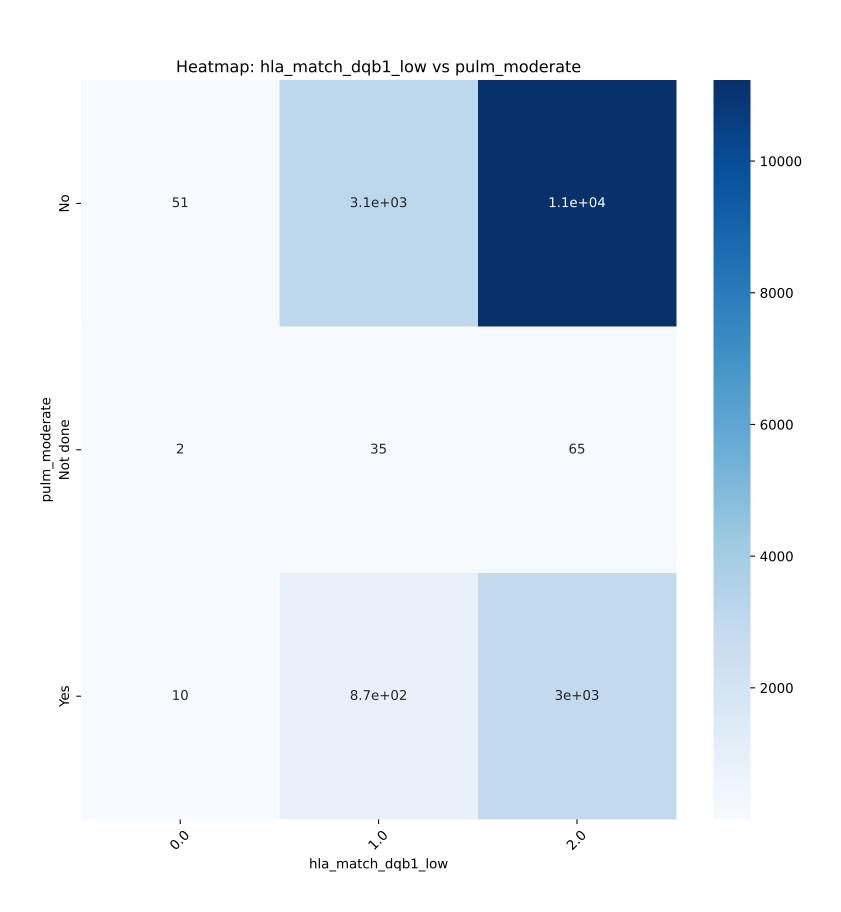
Heatmap: hla\_high\_res\_10 vs pulm\_moderate 7000 ₽ -6000 1 7 1.9e+03 7.6e+02 6.9e+02 7.3e+02 1.4e+03 7.2e+03 5000 pulm\_moderate Not done 4000 26 0 8 11 2 11 28 3000 - 2000 Yes -12 5.3e+02 2.4e+02 1.8e+02 1.9e+02 3.6e+02 2e+03 - 1000 - 0 0,0 °. 000 20 10 80 200 hla\_high\_res\_10

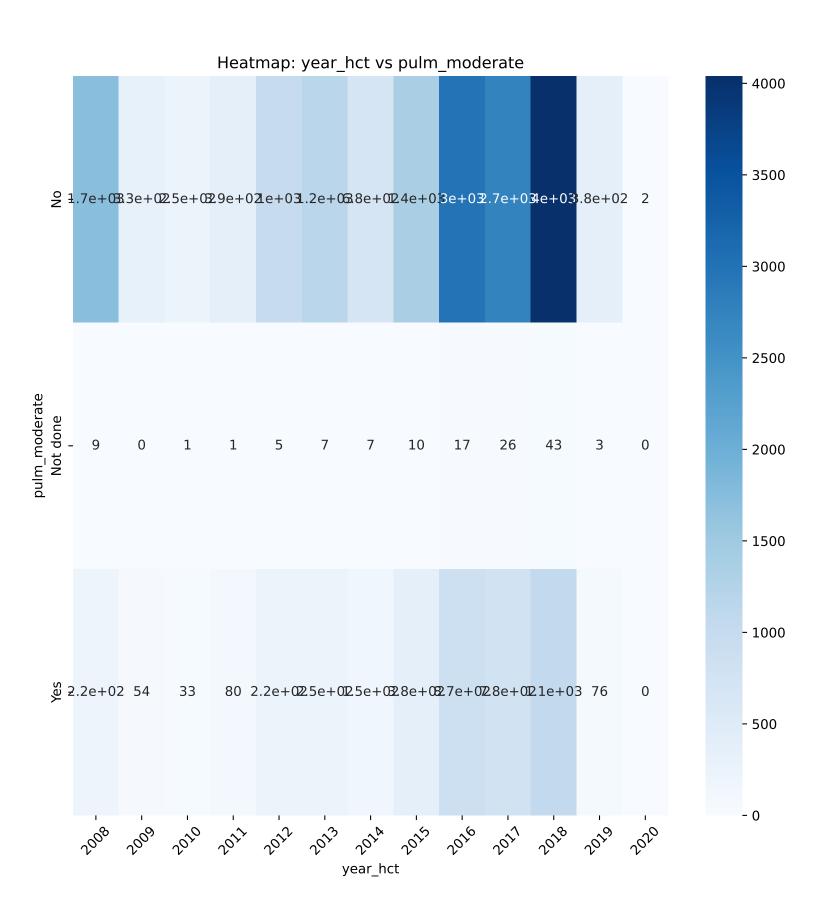


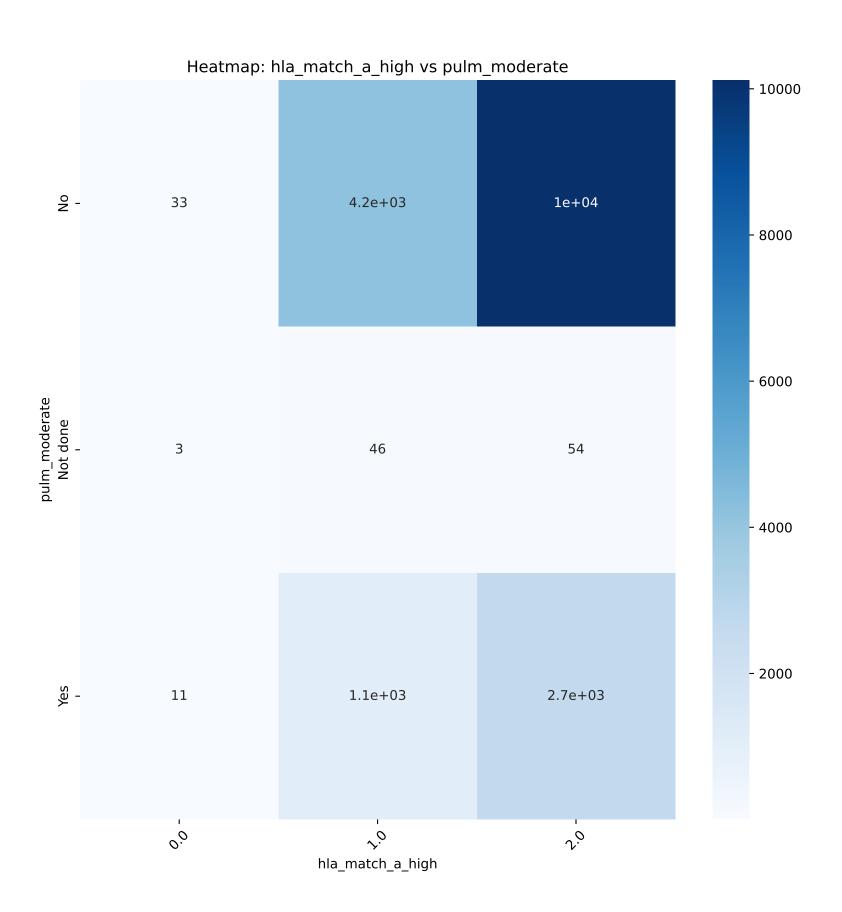




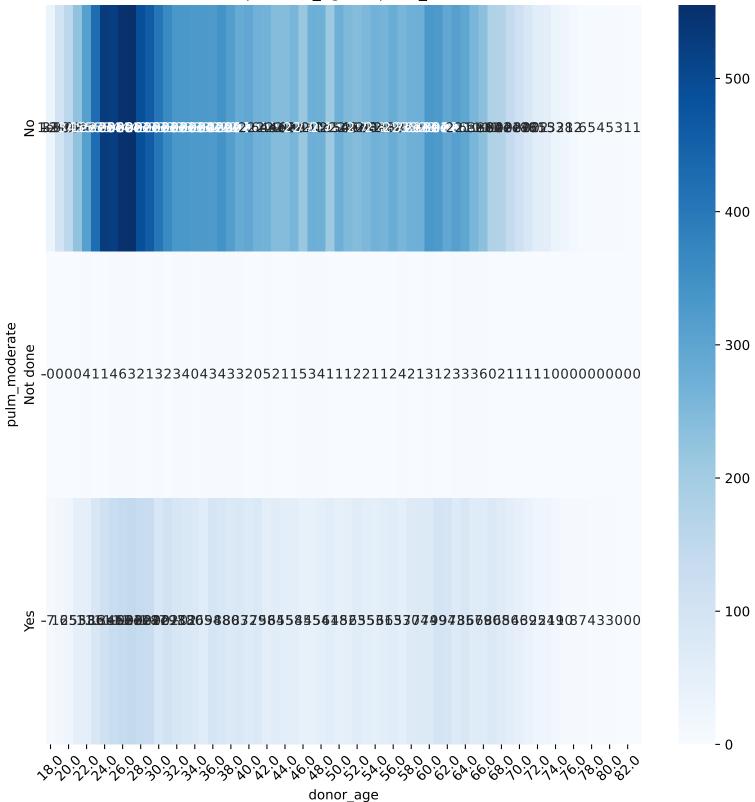


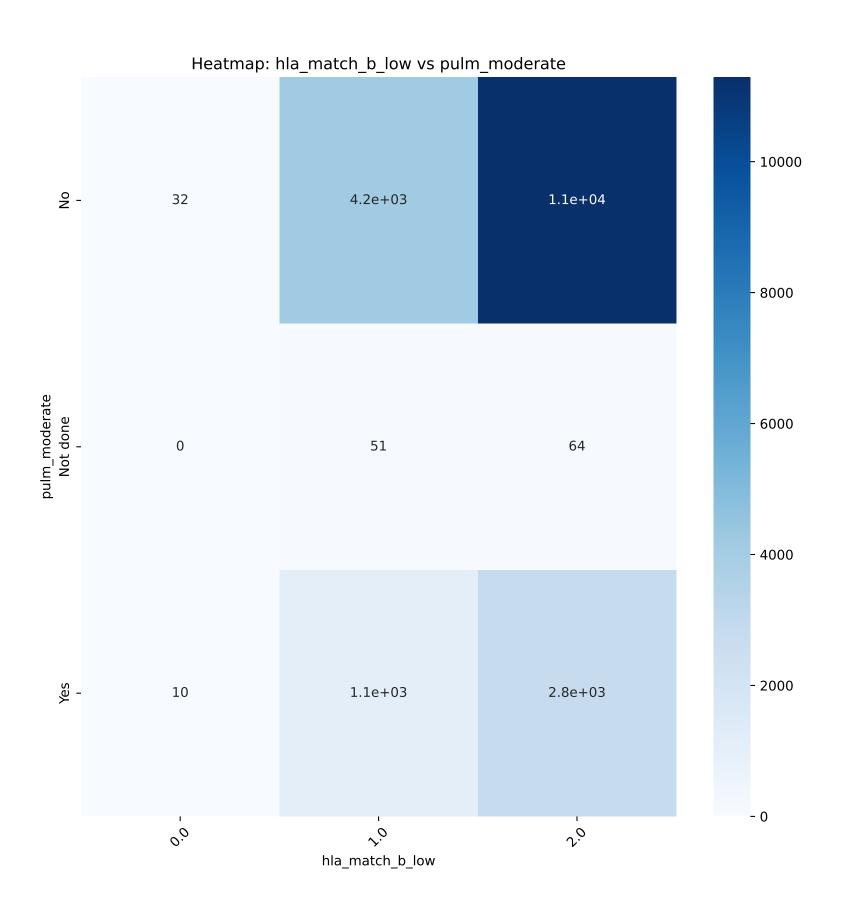




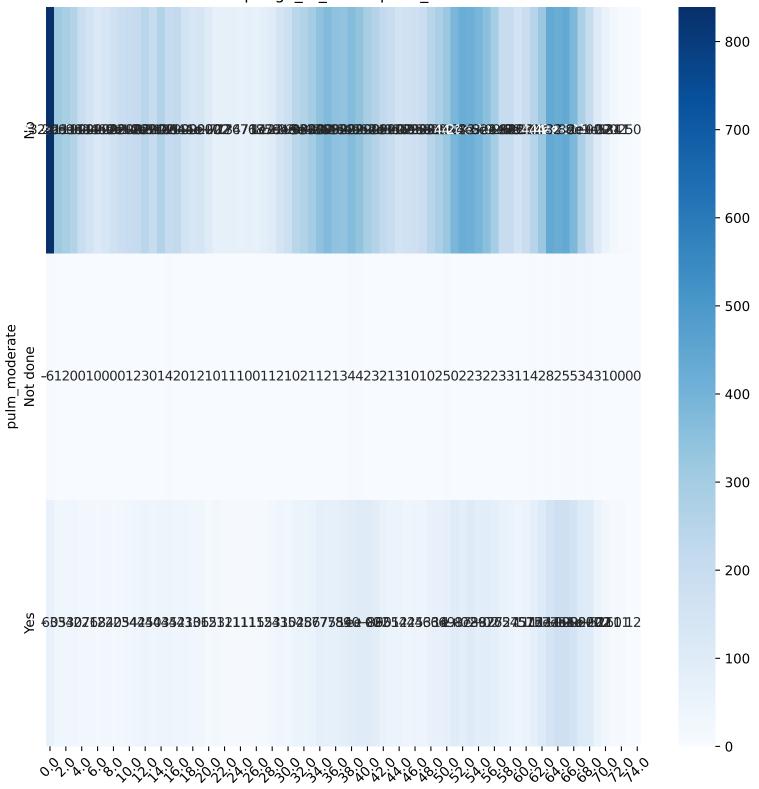


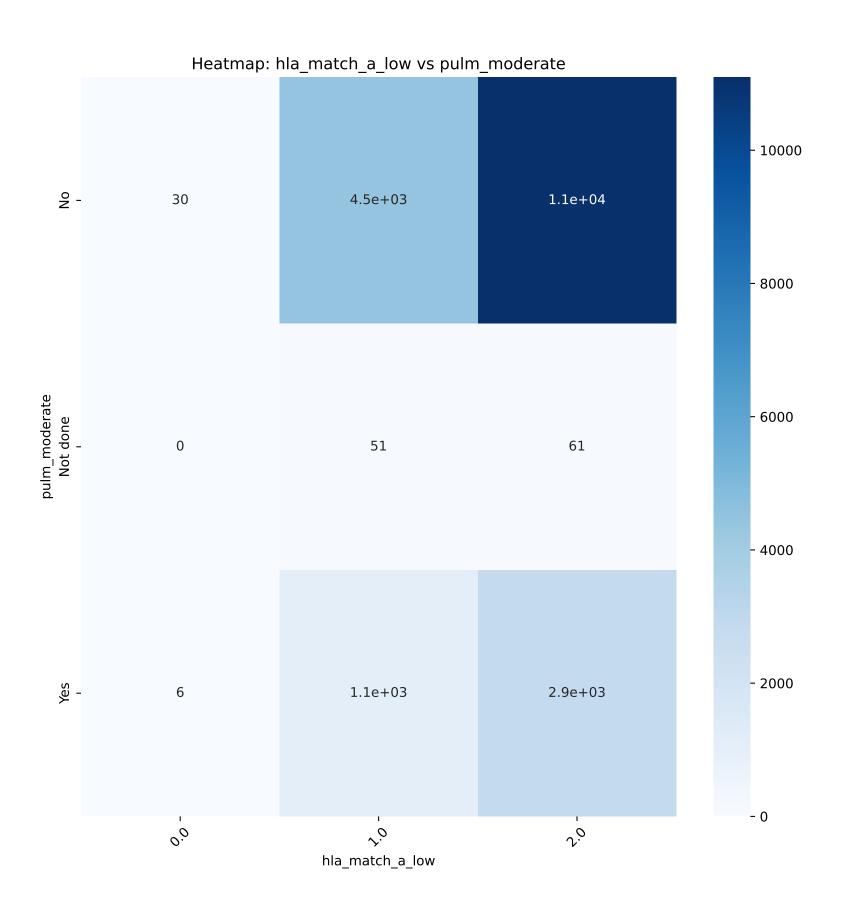


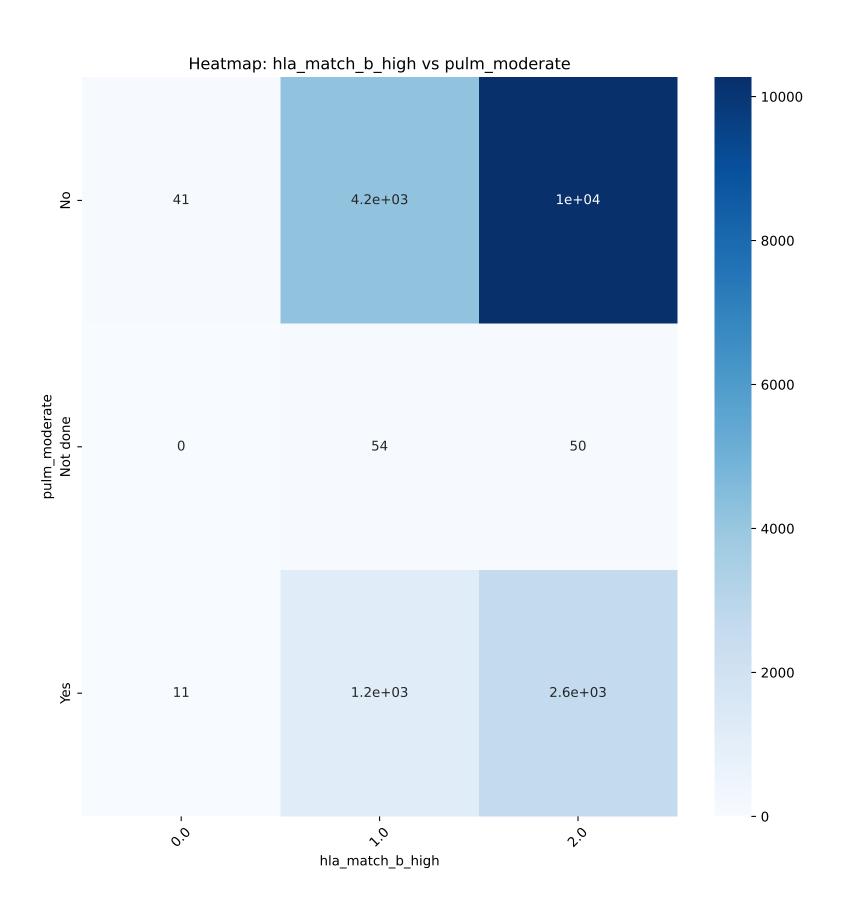


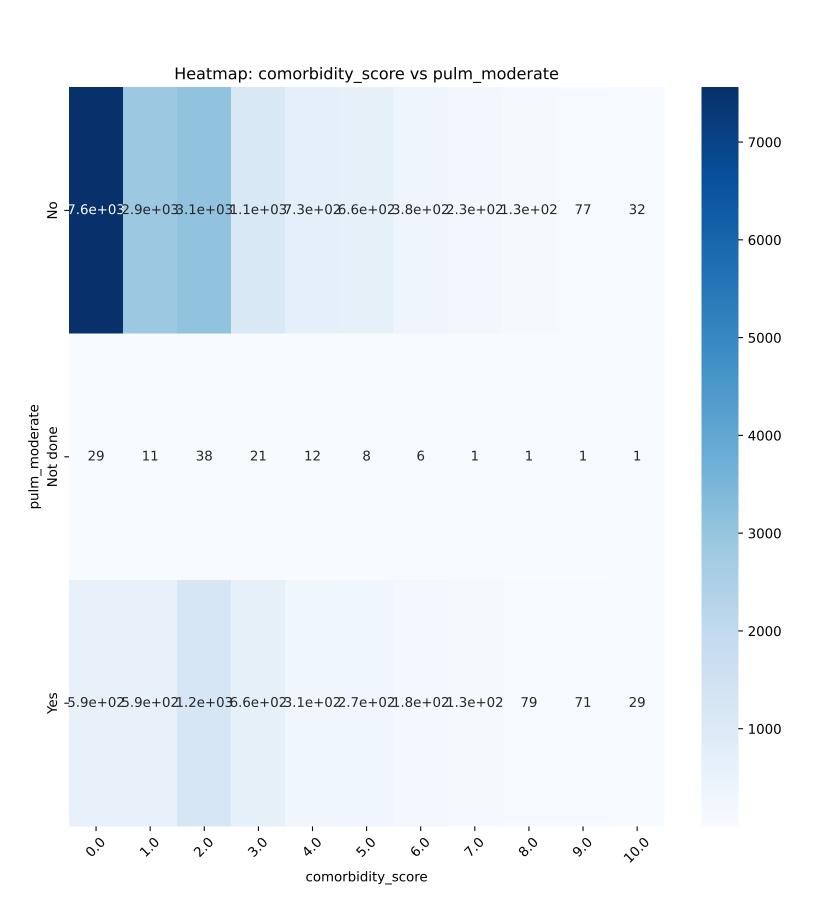


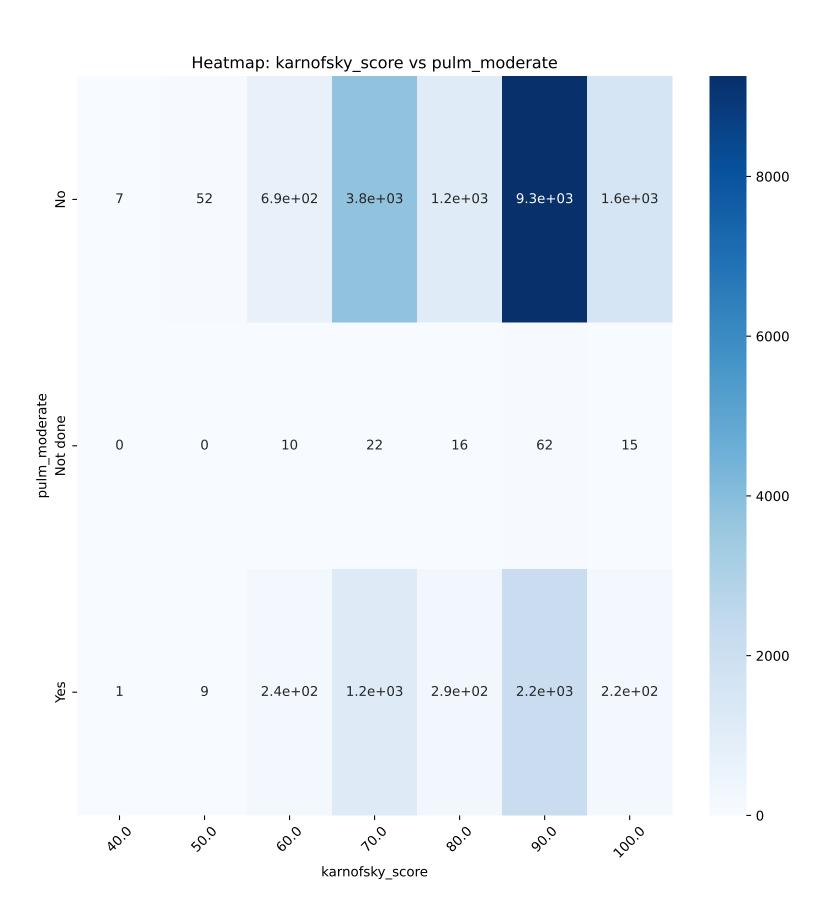
## Heatmap: age\_at\_hct vs pulm\_moderate

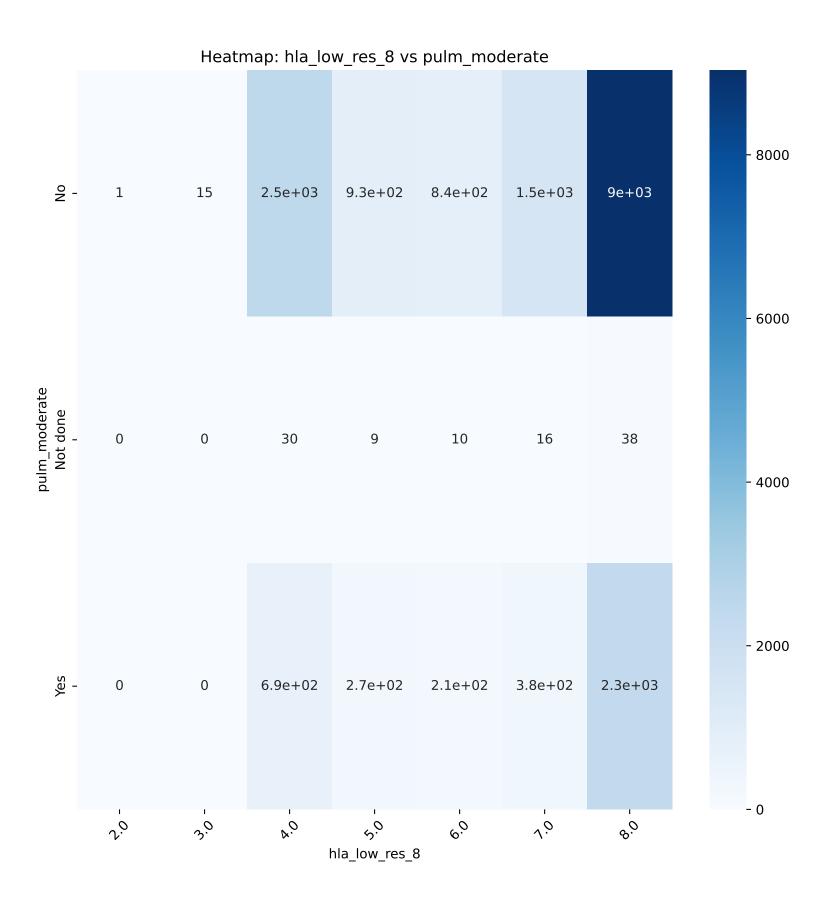


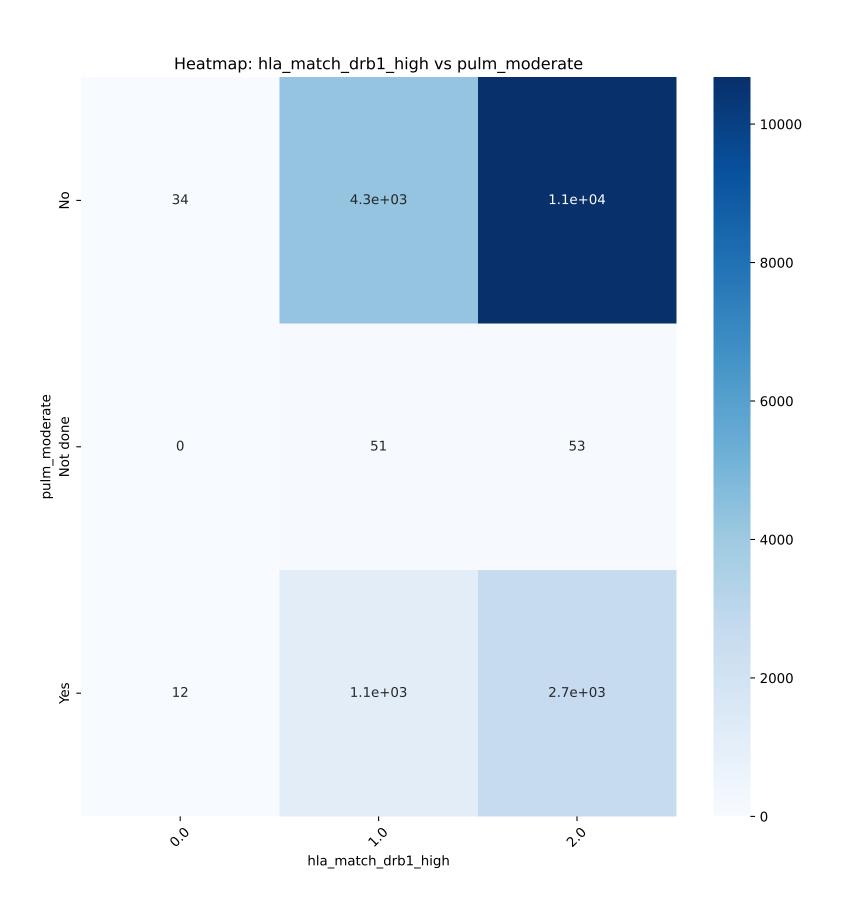












Heatmap: hla\_low\_res\_10 vs pulm\_moderate 8000 - 7000 ₽-18 1.9e+03 9.3e+02 6.7e+02 8.1e+02 1.4e+03 8.1e+03 6000 - 5000 pulm\_moderate Not done 0 23 10 3 12 15 30 - 4000 - 3000 - 2000 Yes -2 5.3e+02 2.7e+02 1.9e+02 2.2e+03 1.9e+02 3.9e+02 - 1000 - 0 \$. 0 60 10 90 00 hla\_low\_res\_10