Top 20 preference choice patterns before and after amalgamation of patterns differing only by one box's value or a simple transposition between neighboring boxes not involving the primary vote for NT:

Top 20 counts

How to vote cards - click here State A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Counts Prop																													
	State	A	В	C	D	E	F	G	Н	I	J	K	L	\mathbf{M}	N	O	P	Q	R	S	T	U	\mathbf{V}	W	X	Y	Z	Counts	Prop
1	NT	0	3	6	2	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6022	5.90%
2	NT	0	3	5	1	4	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1284	1.26%
3	NT	1	2	3	4	5	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	672	0.66%
4	NT	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	536	0.53%
5	NT	6	4	5	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	517	0.51%
6	NT	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	0.49%
7	NT	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	473	0.46%
8	NT	6	4	7	5	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	0.34%
9	NT	0	6	4	5	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276	0.27%
10	NT	4	3	5	2	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256	0.25%
11	NT	7	6	5	4	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	255	0.25%
12	NT	4	3	5	2	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0.22%
13	NT	0	3	5	2	6	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0.22%
14	NT	0	6	5	4	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	220	0.22%
15	NT	5	3	4	2	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0.21%
16	NT	6	0	4	5	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	204	0.20%
17	NT	7	6	5	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0.19%
18	NT	5	0	4	3	1	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0.19%
19	NT	7	3	6	2	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0.18%
20	NT	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0.18%

Amalgamated counts after ignoring arguably "small" differences

	State	A	В	C	D	E	F	G	н	Ι	J	K	L	\mathbf{M}	N	O	P	Q	R	S	T	U	\mathbf{V}	W	X	Y	Z	Counts	Prop
1	NT	0	3	6	2	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6210	5.90%
2	NT	0	3	5	1	4	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1284	1.26%
3	NT	1	2	3	4	5	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1208	0.66%
4	NT	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	0.49%

	State	A	В	C	D	E	F	G	Н	Ι	J	K	L	\mathbf{M}	N	0	P	Q	R	S	T	U	\mathbf{V}	W	X	Y	Z	Counts	Prop
5	NT	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	473	0.46%
6	NT	0	6	4	5	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	480	0.27%
7	NT	4	3	5	2	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256	0.25%
8	NT	7	6	5	4	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	475	0.25%
9	NT	4	3	5	2	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0.22%
10	NT	0	3	5	2	6	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0.22%
11	NT	5	3	4	2	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0.21%
12	NT	7	6	5	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0.19%
13	NT	5	0	4	3	1	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0.19%
14	NT	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0.18%

Inspired by https://github.com/tmccarthy/ausvotes

ross lazarus me fecit 21 march 2018

Code at https://github.com/fubar2/aus-senate

Comments and contributions welcomed there

How to votes cards are at https://www.abc.net.au/news/federal-election-2016/guide/snt/htv/