Top 20 preference choice patterns betterns differing only by one box's value or a simple transposition between neighboring boxes not involving the primary vote for WA:

Top 20 counts

How to vote cards - click here

State As Cut Fu State

Amalgamated counts after ignoring arguably "small" differences

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 AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC Counts Prop

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

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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/