Analysis

		_	g Matches	*		
Match #	Opponent	AB_Custom Won Lost	AB_Custom_2 Won Lost	AB_Custom_3 Won Lost	AB_Custom_4 Won Lost	AB_Custom_5 Won Lost
1	Random	188 i 12	185 15	188 12	187 i 13	185 15
2	MM Open	157 43	141 59	149 51	133 67	143 57
3	MM Center	168 32	174 26	177 23	168 32	170 30
4	MM Improved	142 58	131 69	128 72	131 69	120 80
5	ĀB Open	103 97	103 97	85 115	96 104	94 106
6	AB Center	99 101	111 89	103 97	99 101	95 105
7	AB_Improved	83 117	92 108	88 112	87 113	76 124
	Win Rate:	67.1%	66.9%	65.6%	64.4%	63.1%

O = number of opponent available moves , P = number of main player available moves

Score functions:

AB_Custom: 2*P - O

AB_Custom_2:P-O

AB_Custom_3 : P - 2*O

AB_Custom_4 : P

AB_Custom_5:-O

From different runs, it seem like the first 3 score functions are nearly in the same range of win percentage, trying different sample produce slightly different results, therefore no score function would give an upper hand, I believe investing time in search techniques and optimization will improve the win percentage, but for now, 2*P – O seem to be a good choice.