Performance Comparison: device5 - Original Features
(TPOT vs. ExtraTrees highlights AutoML impact)

Model	F1 Score	Training Time
Bagging	0.6433	105.42s
Stacking	0.6418	78.06s
Voting	0.6408	14.14s
ExtraTrees	0.6441	8.75s
Blending	0.6367	14.08s
TPOT (ExtraTrees)	0.6428	536.53s

F1 Score Comparison: TPOT (0.6428) vs ExtraTrees (0.6441)
Difference: -0.0013 (AutoML hyperparameter optimization impact)

device5 Comprehensive Comparison: Original vs BigFeat Features
Positive F1 Diff (BigFeat - Original) indicates feature engineering improvement
Positive F1 Diff (TPOT - ExtraTrees) indicates AutoML improvement over baseline

Model	Original F1 Score	BigFeat F1 Score	F1 Diff (BigFeat - Original)	Original Training Time	BigFeat Training Time	Training Time Ratio (BigFeat/Origin	F1 Diff (TPOT - ExtraTrees)
Bagging	0.6433	0.6442	+0.0010	105.42s	267.71s	2.54x	
Stacking	0.6418	0.6430	+0.0011	78.06s	137.94s	1.77x	
Voting	0.6408	0.6420	+0.0012	14.14s	26.45s	1.87x	
ExtraTrees	0.6441	0.6446	+0.0004	8.75s	16.36s	1.87x	
Blending	0.6367	0.6378	+0.0011	14.08s	26.83s	1.90x	
TPOT (ExtraTrees)	0.6428	0.6439	+0.0011	536.53s	592.23s	1.10x	-0.0013