

**S3 Table. Results for bADHD-200, functional image data.** See S1 Appendix for details.

Learner, L	Number of features, $ \text{FS}^*(L) $	Training Accuracy, $\text{Eacc}(L, D_{\text{train}}, \text{FS}^*(L))$	Range	Test Accuracy, $\text{acc}(L^*, D_{\text{test}}, \text{FS}^*(L^*))$
RBF-9	260	70.0%	11.1%	
RBF-8	210	70.0%	13.8%	
RBF-4	53	69.7%	13.8%	
RBF-6	252	69.7%	8.3%	
RBF-7	265	69.7%	6.9%	63.3%