

Table S5: **Interpretability vs accuracy trade-off:** SHIMR with different weight thresholds of features on plasma data.

SHIMR								
Threshold	Rule Length		SN		SP		ACC	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
0.0	54.38	4.56	0.84	0.10	0.69	0.15	0.79	0.09
0.1	38.88	3.92	0.84	0.11	0.69	0.15	0.79	0.07
0.2	27.28	4.92	0.84	0.11	0.67	0.18	0.78	0.08
0.3	18.1	4.75	0.84	0.11	0.63	0.20	0.76	0.08
0.4	12.44	4.27	0.83	0.13	0.58	0.24	0.74	0.08
0.5	8.16	3.90	0.81	0.18	0.46	0.29	0.69	0.10
0.6	5.38	2.90	0.81	0.20	0.42	0.29	0.67	0.10