

Additional File 3: Results of 50 iterations of tuned Random Forest classifier showing the number of variables selected and the OOB error rate.

Iteration number	No. of variables selected (MDA>0)	OOB error rate (%)	Iteration number	No. of variables selected (MDA>0)	OOB error rate (%)
1	1349	1.25	26	1361	1.25
2	1334	1.25	27	1337	1.25
3	1331	1.25	28	1329	1.25
4	1329	1.25	29	1325	1.25
5	1329	1.25	30	1360	1.25
6	1389	1.25	31	1370	1.25
7	1353	1.25	32	1363	1.25
8	1312	1.25	33	1355	1.25
9	1348	1.25	34	1363	1.25
10	1359	1.25	35	1328	1.25
11	1353	1.25	36	1311	1.25
12	1335	1.25	37	1354	1.25
13	1344	1.25	38	1325	1.25
14	1368	1.25	39	1367	1.25
15	1316	1.25	40	1366	1.25
16	1351	1.25	41	1401	1.25
17	1329	1.25	42	1341	1.25
18	1323	1.25	43	1341	1.25
19	1347	1.25	44	1374	1.25
20	1390	1.25	45	1337	1.25
21	1365	1.25	46	1338	1.25
22	1392	1.25	47	1372	1.25
23	1385	1.25	48	1361	1.25
24	1363	1.25	49	1343	1.25
25	1355	1.25	50	1332	1.25

