

	Threshold	Sensitivity	Specificity	Accuracy	AUC	Coefficients	
3%							
Unsampled	0.03	70	75	74	79	79	6
Unsampled 0.5	0.50	2	100	97	97	79	6
Down Sampled	0.49	70	74	74	74	78	9
Up Sampled	0.48	70	74	74	74	78	27
SMOTE	0.41	70	74	74	74	78	15
5%							
Unsampled	0.05	69	74	74	74	78	7
Unsampled 0.5	0.50	4	100	95	95	78	7
Down Sampled	0.49	69	74	74	74	78	9
Up Sampled	0.49	69	74	74	74	78	23
SMOTE	0.41	69	74	74	74	78	16
10%							
Unsampled	0.10	68	74	73	73	77	8
Unsampled 0.5	0.50	8	100	91	91	77	8
Down Sampled	0.49	68	74	73	73	77	9
Up Sampled	0.49	68	74	73	73	77	18
SMOTE	0.42	68	73	73	73	77	19
20%							
Unsampled	0.20	66	73	72	72	76	8
Unsampled 0.5	0.50	21	97	82	82	76	8
Down Sampled	0.49	66	73	72	72	76	9
Up Sampled	0.49	66	73	72	72	76	13
SMOTE	0.42	66	72	71	71	75	23
40%							
Unsampled	0.39	66	71	69	69	74	9
Unsampled 0.5	0.50	49	84	70	70	74	9
Down Sampled	0.49	66	71	69	69	74	9
Up Sampled	0.49	65	71	69	69	74	10
SMOTE	0.41	64	71	68	68	73	28
50%							
Unsampled	0.49	63	72	68	68	73	9
Unsampled 0.5	0.50	63	72	68	68	73	9