

Discriminant threshold	Predicted background	Observed background	Z-value
0.3	$33.9 \pm 3.3 \pm 4.1$	27	-0.80
0.5	$22.8 \pm 2.6 \pm 4.6$	21	-0.14
0.7	$18.5 \pm 2.3 \pm 4.1$	18	0.05
0.9	$14.5 \pm 2.0 \pm 3.4$	15	0.24
0.99	$8.3 \pm 1.5 \pm 3.1$	3	-1.12
0.9993	$3.0 \pm 0.9 \pm 0.5$	0	-1.40