

**Table 7.** Performance of one-tiered (A) and two-tiered (B) classification strategies using SVM <sup>a</sup>

Model	Strategy	Classification rate							Overall accuracy
		1A (strong)		1B (weak)			Neg (non-sensitizers)		
		Correct	Under	Over	Correct	Under	Correct	Over	
LLNA	A	83 ± 12% (29/35)	17 ± 12% (6/35)	17 ± 10% (9/52)	69 ± 12% (36/52)	14 ± 9% (7/52)	85 ± 12% (28/33)	15 ± 12% (5/33)	78 ± 7% (93/120)
	B	91 ± 9% (32/35)	9 ± 9% (3/35)	15 ± 10% (8/52)	81 ± 11% (42/52)	4 ± 5% (2/52)	97 ± 6% (32/33)	3 ± 6% (1/33)	88 ± 6% (106/120)
Human	A	85 ± 14% (22/26)	15 ± 14% (4/26)	26 ± 15% (8/31)	61 ± 17% (19/31)	13 ± 12% (4/31)	80 ± 14% (24/30)	20 ± 14% (6/30)	75 ± 9% (65/87)
	B	85 ± 14% (22/26)	15 ± 14% (4/26)	22 ± 15% (7/31)	65 ± 17% (20/31)	13 ± 12% (4/31)	93 ± 9% (28/30)	7 ± 9% (2/30)	81 ± 8% (70/87)

LLNA, murine local lymph node assay; SVM, support vector machine.

Values after “±” indicate 95% confidence limits of proportion for correct classification rate.

a Leave-one-out cross-validation results.