

Page No.	Notation	Description
9	Signal	a set of signal instances
9	Antigen	a set of antigen instances
9	t	a time point
9	$S(t)$	a map of t to an input instance
9	\mathbf{W}	weight matrix of signal transformation
9	N	DC population size
9	I	an index set of DCs
9	π_1	projection function for the first element
9	π_2	projection function for the second element
10	$O(t)$	signal transformation function
10	$F(t, i)$	lifespan update function
10	$G(t, i)$	signal profile update function
11	$H(t, i)$	antigen profile update function
11	$L(j)$	output record function
11	$C(j, \alpha)$	antigen counter function
12	$R(j, \alpha)$	signal profile abstraction function
12	$K(\alpha)$	anomaly metric calculation function
12	n	size of input data
13	a	number of antigen instances
13	b	number of antigen types
15	z	segment size