

$S_i^T$	Phenotype/Rates	Feature Name
0.55	R7 T to St. St.	Value at $A3 = 0.34$ , $AI3 = 0.06$
0.16	Peak	Extent when image is thresholded at 90% max value
0.06	$\sigma$ R7 T to St. St.	Bounding Box (corner of high $A3$ , low $AI3$ ) when image is thresholded at 10% max value
0.06	No Switch Value	Pattern Matching
0.04	No Switch Value	Pattern Matching <sub>Norm</sub>
0.03	$H_{At}$	
0.03	$\sigma$ T to St. St.	Pattern Matching <sub>Norm</sub>

**Table S8:** Top RS-HDMR identified throttle features and their corresponding RS-HDMR sensitivity indices,  $S_i^T$  (table supplements Figure 8H).