

# Sussex Research

## Distinct synaptic transfer functions in same-type photoreceptors

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Figure 1 - Eye-region-specific structural tuning of a ribbon synapse in UV-cones

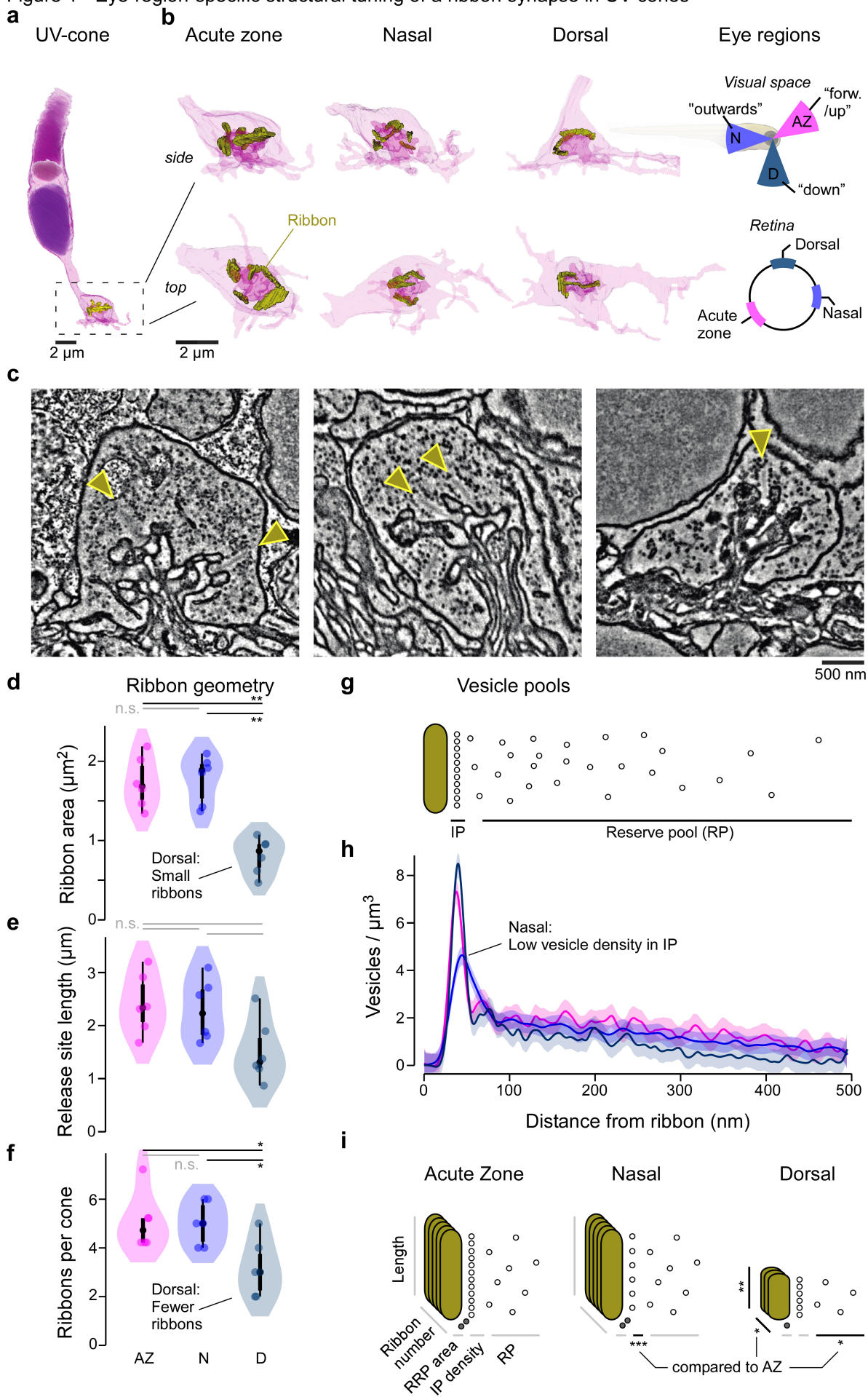




Figure S1, related to Figure 1 - Statistical comparison of spatial vesicle distributions

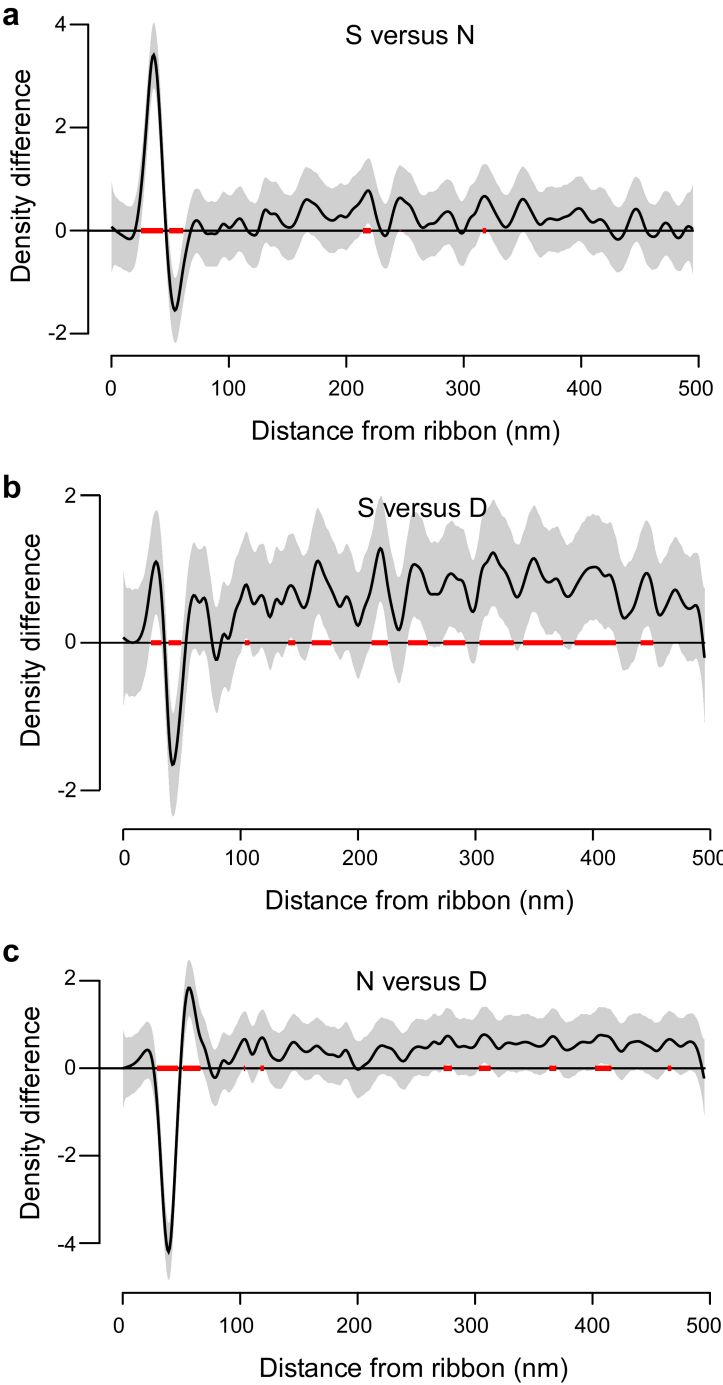


Figure 2 - Simultaneous *in vivo* imaging of synaptic calcium and release

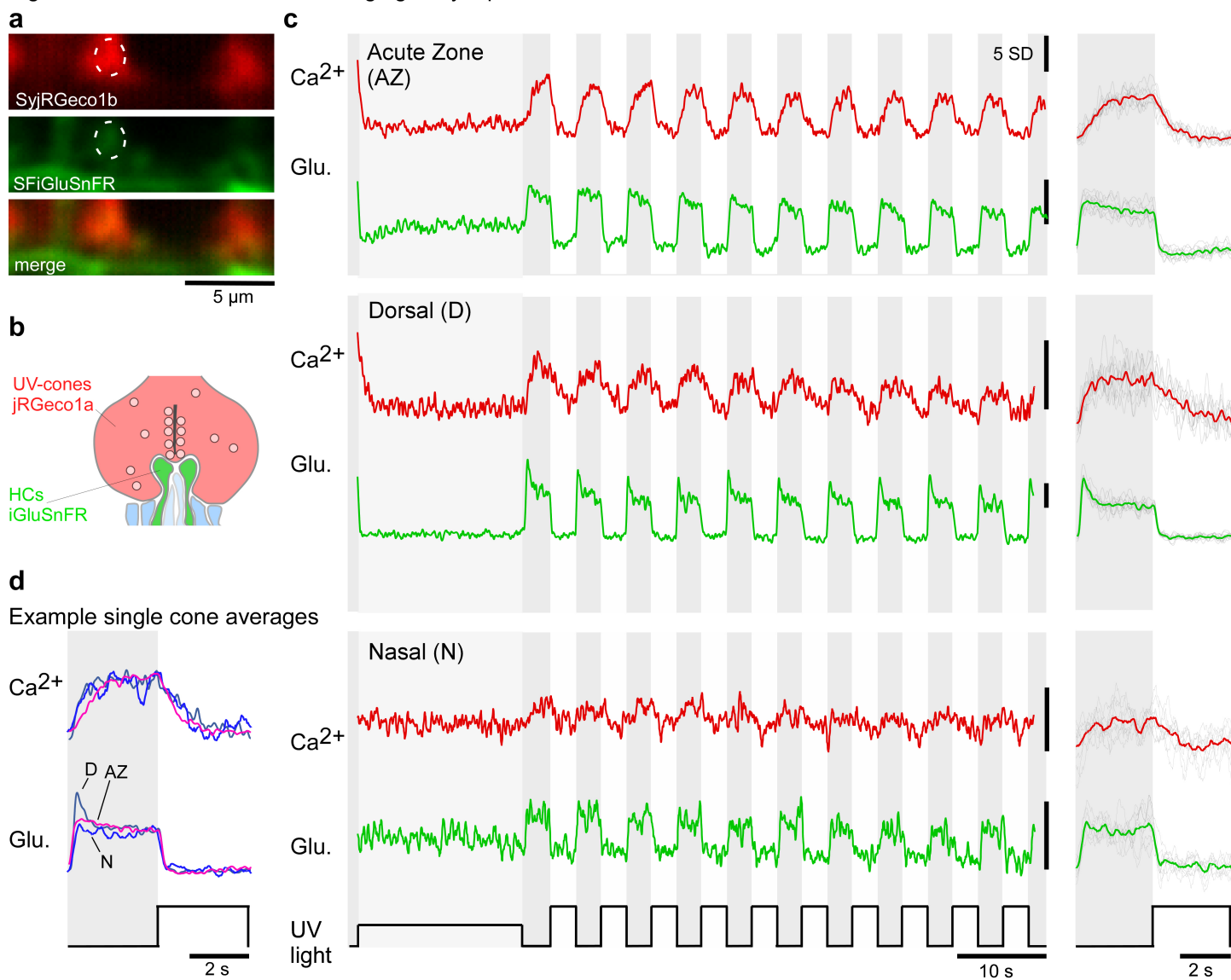


Figure 3 - Physiology quantification

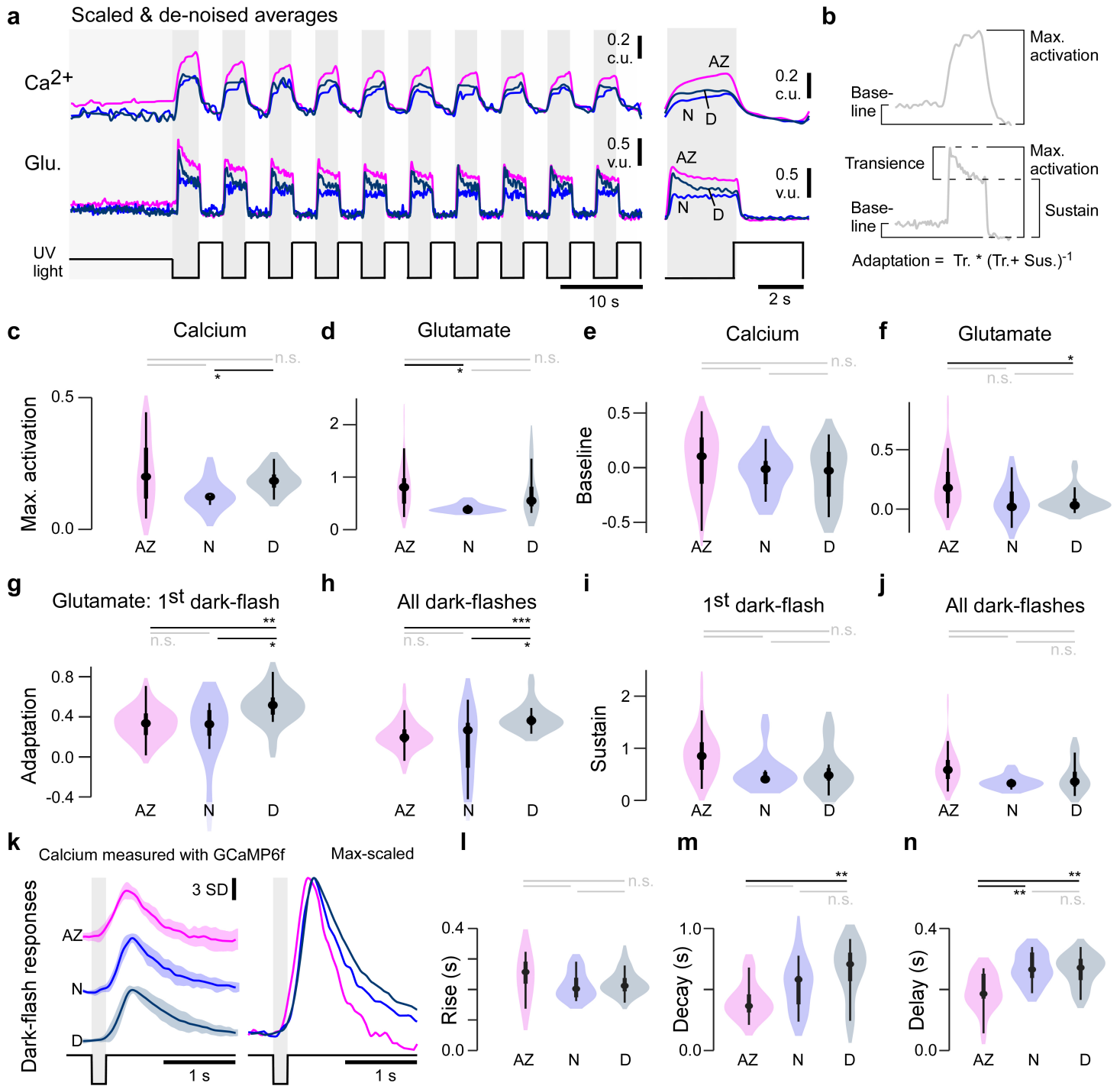


Figure S2 - related to Figures 2 and 3

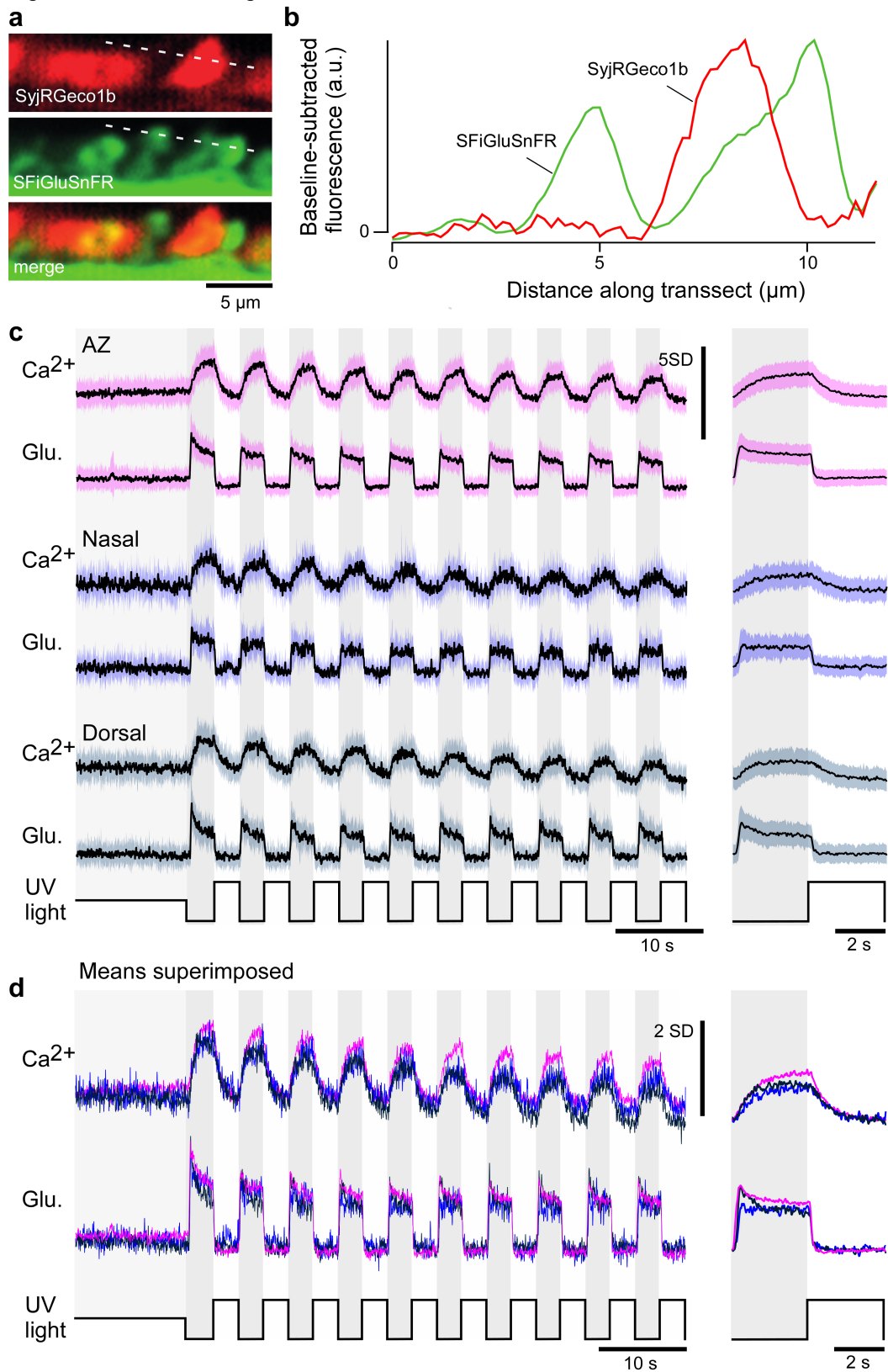




Figure S3 - related to Figures 2 and 3

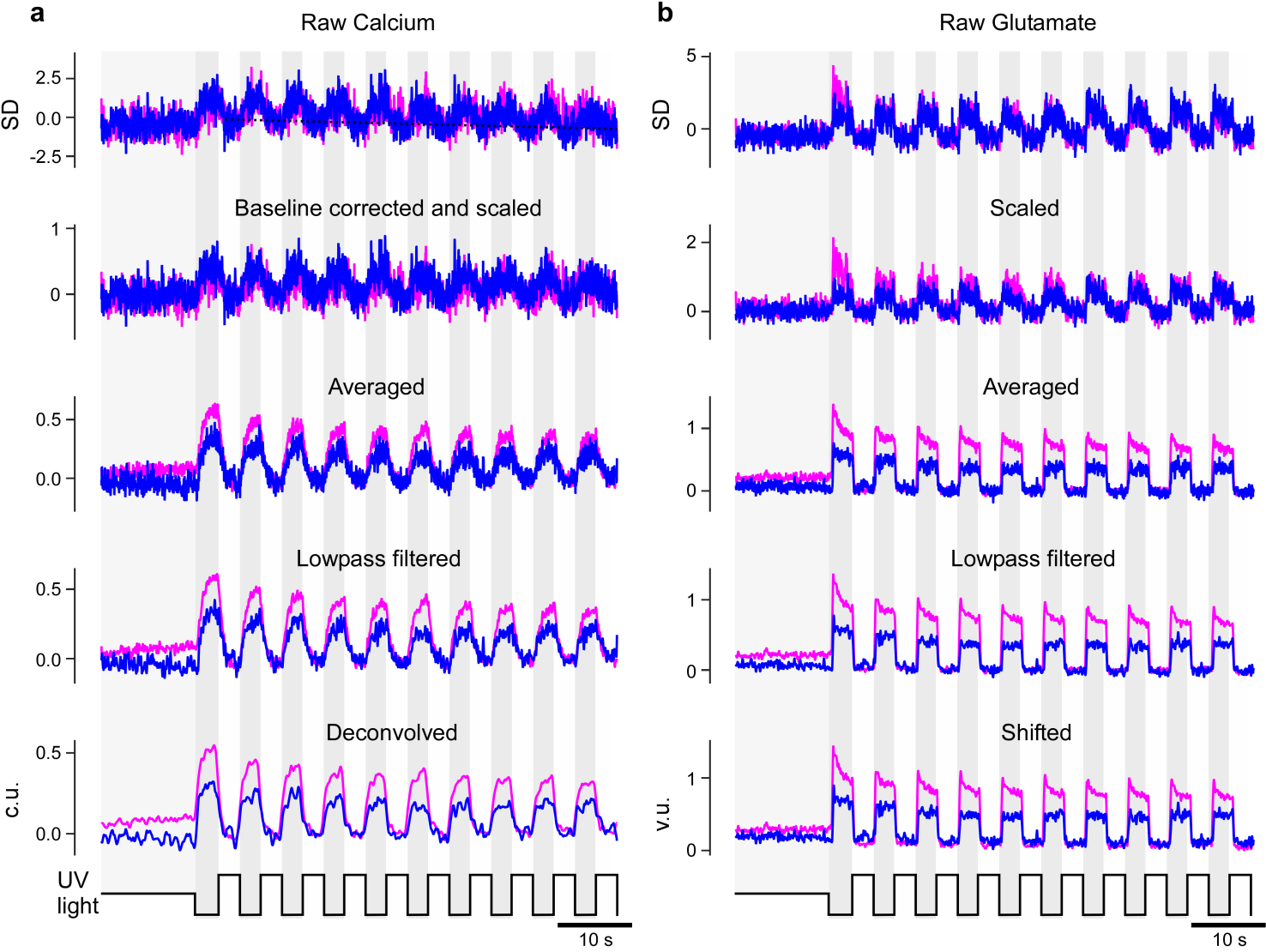


Figure 4 - A model of calcium evoked release from the ribbon

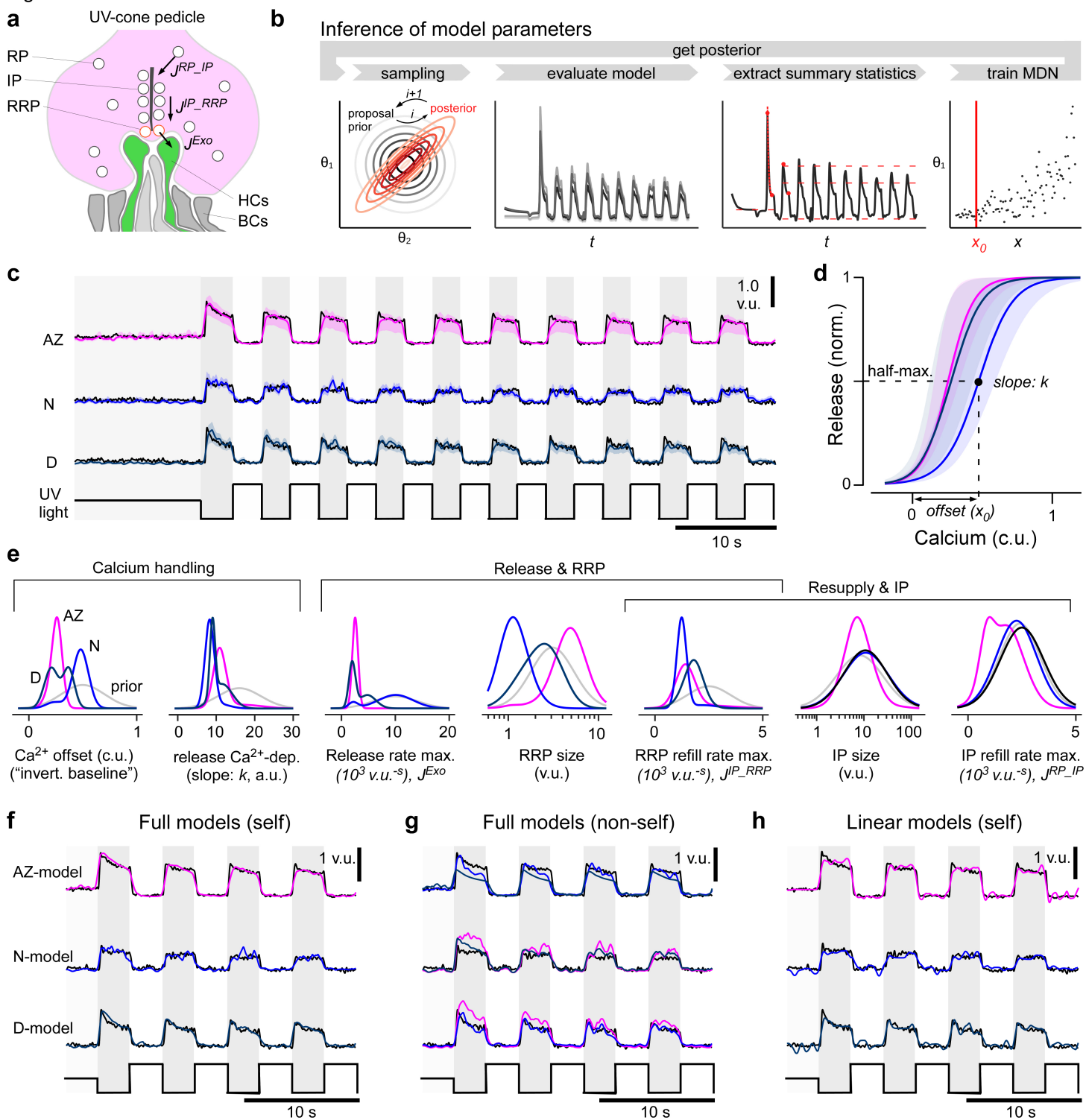
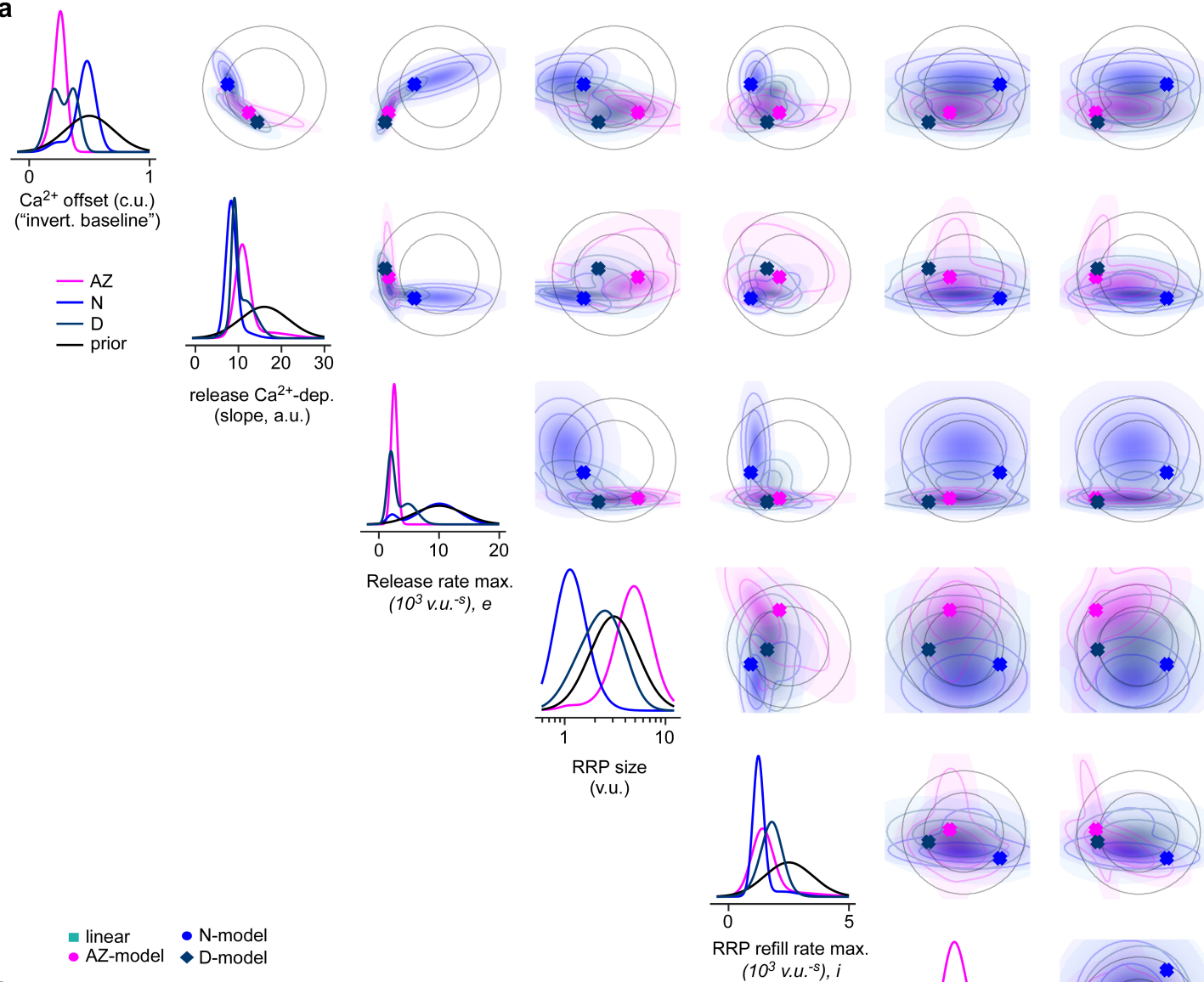
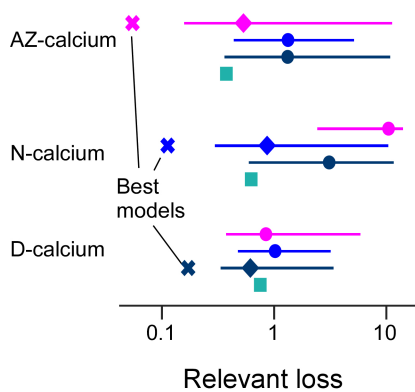


Figure S4 - related to Figure 4

**a**



**b**



**c**

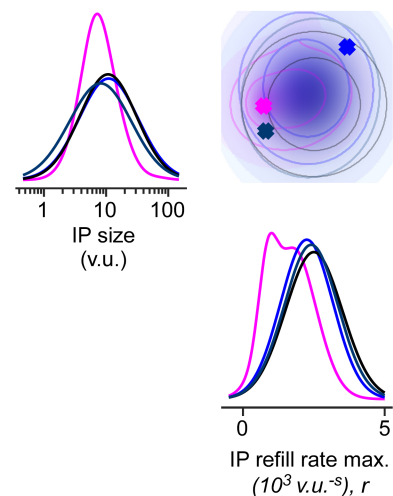
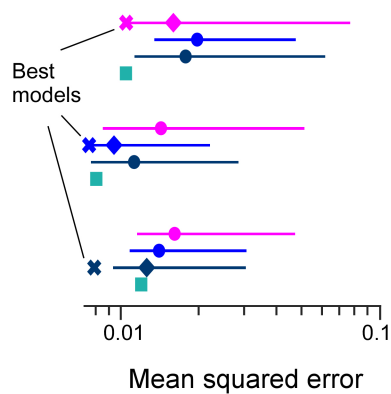


Figure 5 - Sobol Indexes

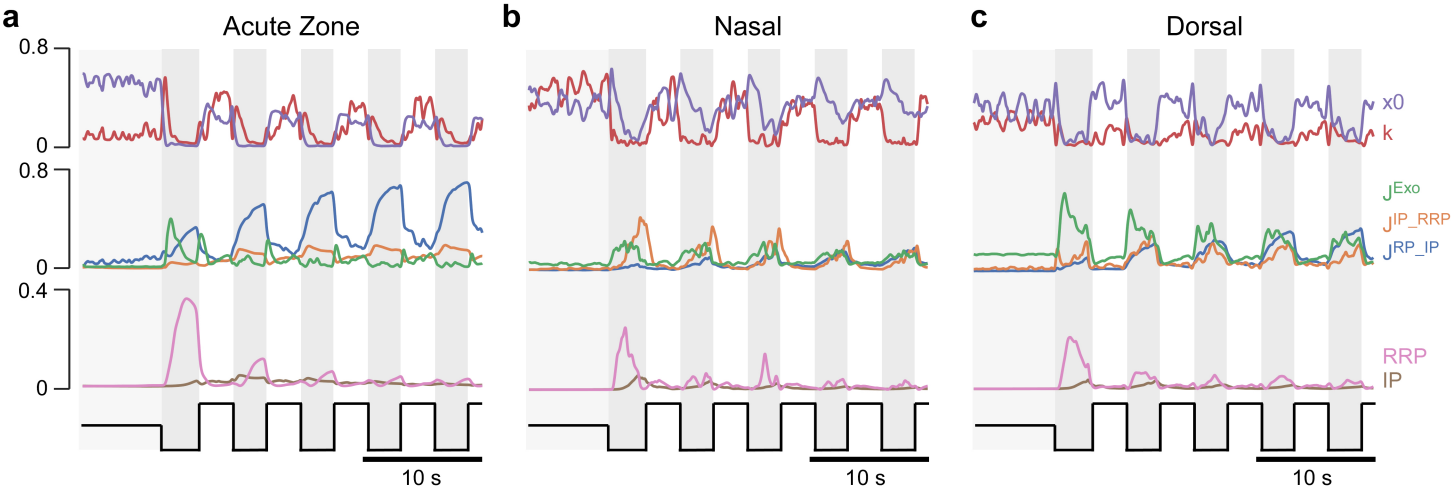




Figure 6 - General rules of ribbon tuning: Basic response parameters

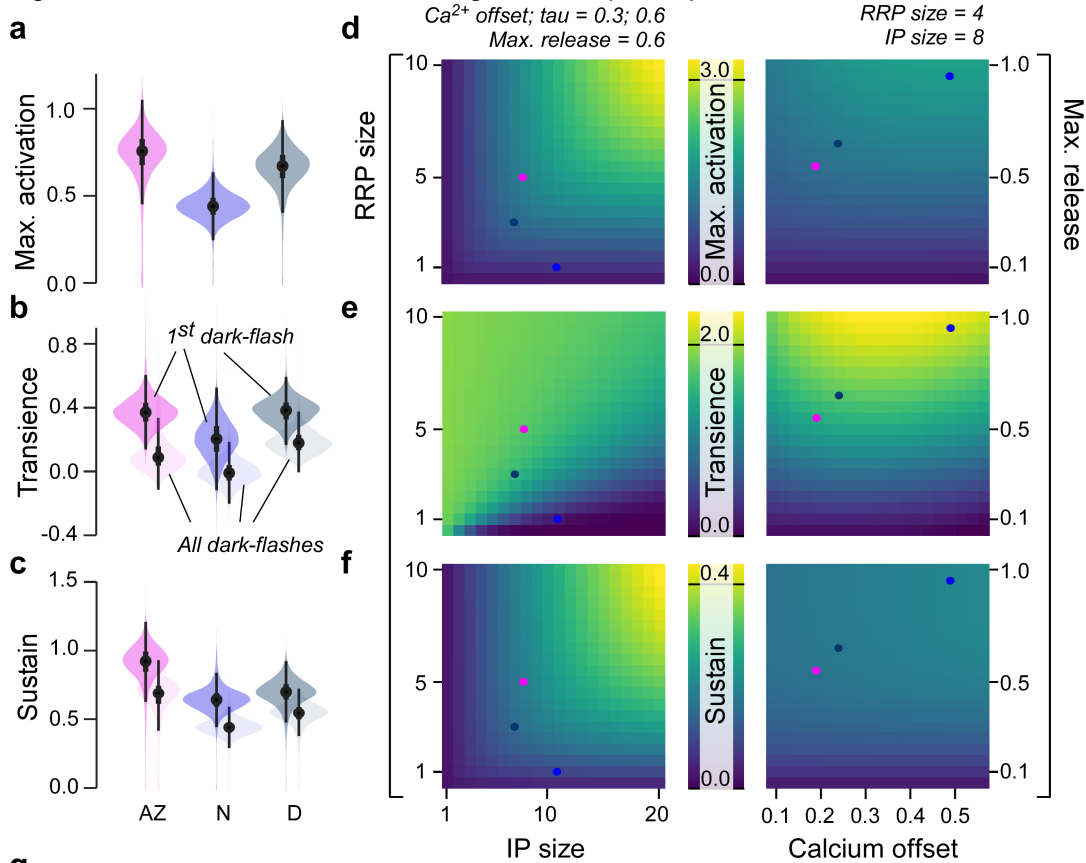


Figure 7 - General rules of ribbon tuning: Event detection and high-frequency encoding

