

patterns evoked by tyrosine and tryptophan across by different odors across mitral cells in successive 256-ms time windows. Clusters of high correlation another olfactory bulb. (d) Comparison of activity coded correlation matrices depicting the pairwise TDCa similarities between TDCa signal patterns evoked coefficients indicate that groups of related odors evoked similar activity patterns. Data from 1,313 hemically similar amino acids in six mitral cells. across 161 mitral cells in a single olfactory bulb, nitral cells in 9 olfactory bulbs. Order of stimuli evoked by tryptophan across 12 interneurons in evoked by the same stimuli as in **e.** In addition, he 6 mitral cells in a, averaged during the first and last three time bins (boxes in a). (e) Coloron both axes is Glu, Asp, Gly, Ala, Ser, His, Asn, ignals were normalized to the maximum signal n each column. (b) Raw Ca²⁺ signal evoked by Ca2+ signals without deconvolution. Same data ryptophan as a function of time. Each column mixture). (g) Correlations between patterns of applications of the same stimulus (amino acid f) Correlation between TDCa signal patterns normalized to the maximum. (c) TDCa signal patterns in the zebrafish olfactory bulb. (a) the, Tyr, Trp, Leu, Met, Val, Ile, Arg and Lys. signal as a function of time, evoked by two Figure 5 | Analysis of odor-evoked activity between patterns evoked by two repeated pixels in the lower right show correlation set as in **e**.