

Supplementary Material S1: OSN-Aligned Qualitative Robustness Atlas — Index

File: OSN_Aligned_All_Datasets.pdf (80 pages). Each page shows one matched sample across:
Original | Facebook | WeChat | Weibo | WhatsApp (standardized application panel).

Page ranges by dataset:

- CASIA: pages 1–20
- Columbia: pages 21–40
- DSO: pages 41–60
- NIST16: pages 61–80

Flagged stress-test outliers (see manuscript Table III and Fig. 5):

- ★ max $|\Delta \text{Area}|$: CASIA–WeChat sample ID Sp_D_CNN_R_art0006_art0087_0276
- ★ max $|\Delta p_{\text{fake}}|$: CASIA–Weibo sample ID Sp_D_CNN_A_nat0014_nat0017_0097
- ★ max $|\Delta \text{Regions}|$: DSO–WhatsApp sample ID splicing-02

Note: Sample IDs correspond to the exported panel filenames in OSN.zip. Within each dataset page range, locate the outlier by matching the ID shown in the panel header/filename annotation (if displayed), or by visual inspection of the most drift-prone examples.