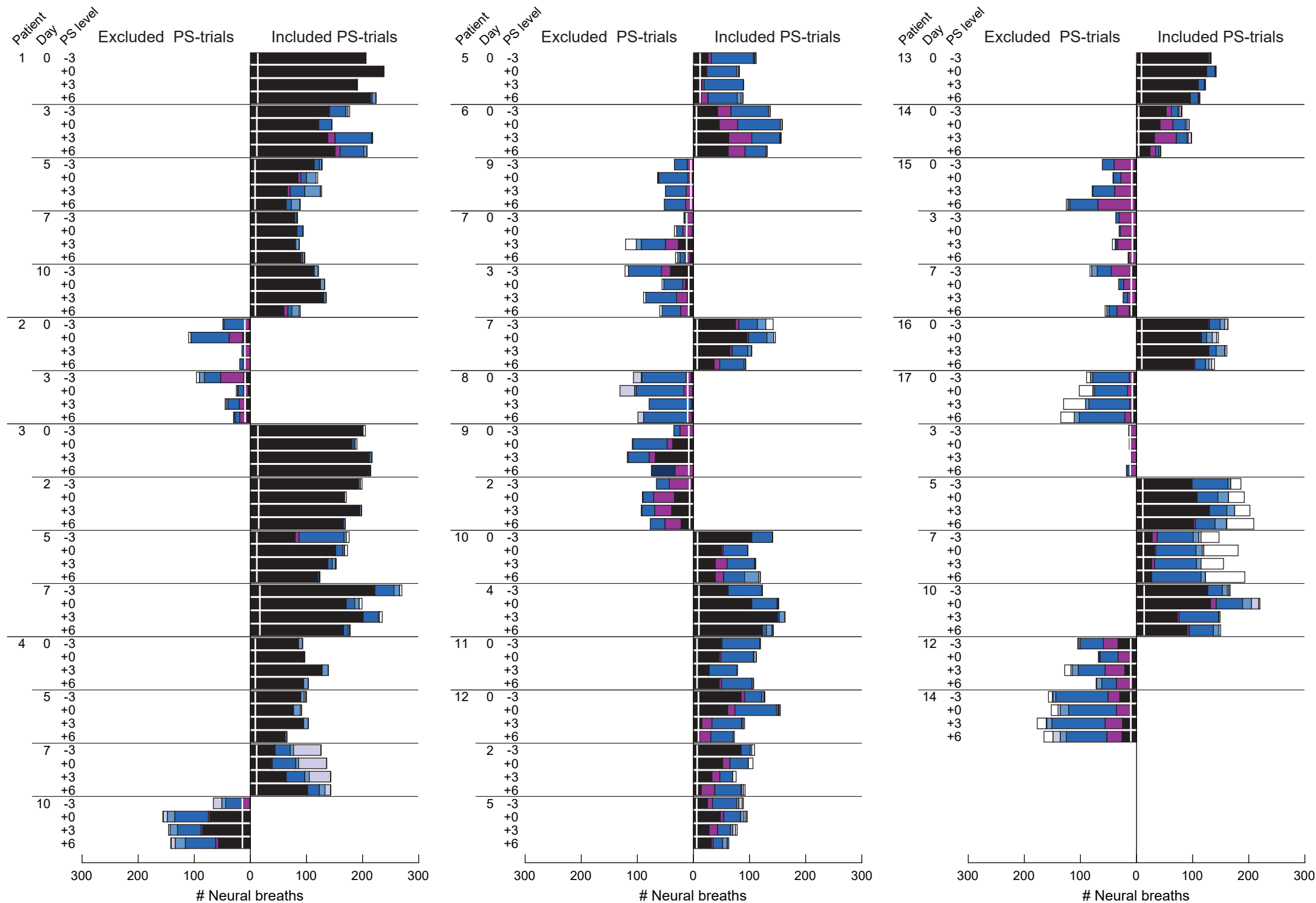




Neural breath permissibility per quality criterion per patient, with individual breaths clustered by whether the PS-trial was in- or excluded according to the quality criteria. Vertical line indicates the 10% of flow-based breaths, as threshold for including a PS-trial. Abbreviations: Adequate neural breath: sEAdi passes all quality checks. SNR – Inadequately low SNR of sEAdi, Tdi/Tecg – Inadequate sEAdi interpeak interval relative to the heart inter-beat interval (ECG), AUB – Inadequately large area under the baseline (AUB), Curve morphology – Inadequate sEAdi due to deviation from bell-morphology, Relative AUB – Inadequately large area under the baseline relative to the whole recording, Relative ETPdi – Inadequately large diaphragm electrical time product (ETPdi) relative to the whole recording, Duration – Inadequately short sEAdi peak duration.