



### Legend for Figure, Supplemental Digital Content 2

Respiratory arrest in ketamine-treated *Phox2b*<sup>27Ala/+</sup> mutant mice at P14-16. Fourteen mutants died before the onset of Phase 2 and 18 mutants died during Phase 2. Individual respiratory traces of non-survivor mutants (blue lines, n=18) were collected until the onset of gasping (represented by a filled red square). Pre-treatment values (PRE) are shown for non-survivor mutants (filled blue circles, n = 32), survivor mutants (mean value, filled grey circle, n = 10) and wildtypes (mean value, empty circle, n=59). Group means after ketamine treatment for survivor mutants (grey filled circles, n=10) and wildtype littermates (empty circles, n=59) are zoomed from Supplemental Digital Content 1, Panel B. No clear differences in respiratory variables were observed between survivor and non-survivor mutants. Data are mean±S.D.