

| Score | Observations | Animal ID |
|-------|--|-----------------------------|
| 1 | Acute bleeds or densely packed RBCs account for <40% of all microhemorrhages, with <20 total events and involvement of ≤ 2 regions. | AGM14 |
| 2 | Acute bleeds account for 40-60% of all microhemorrhages, with 10-85 total events and involvement of 2-5 regions. | AGM5, AGM6 |
| 3 | Acute bleeds account for 60-75% of all microhemorrhages, with 10-85 total events and involvement of 2-7 regions. | AGM13, AGM10, AGM8 |
| 4 | Acute bleeds account for $\geq 75\%$ of all microhemorrhages, with 10-85 total events and involvement of 2-7 regions. | AGM7, AGM9, AGM15, AGM16 |
| 5 | Acute bleeds account for $\geq 75\%$ of all microhemorrhages, with >85 total events and involvement of 6-7 regions. | AGM11, AGM12 |

Supplementary Table 1. Subjective microhemorrhage scoring. Microhemorrhage frequency and RBC density findings from H&E-stained tissues were used to assign a composite microhemorrhage burden score for each animal. Values were used to examine correlations with behavioral assessments.