

Supplement 3: The Use of Spatial Taphonomy for Interpreting Pleistocene Palimpsests: An Interdisciplinary Approach to the Châtelperronian and Carnivore Occupations at Cassenade (Dordogne, France)

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SUPPLEMENT

Code of the Bayesian model performed in OxCal to test the chronological ordering of occupations by hominids and hyenas in the upper part of Layer 2 at Cassenade.

```
Options()
{
  BCAD=FALSE;
};
Plot()
{
  Outlier_Model("General",T(5),U(0,4),"t");
  Sequence()
  {
    R_Date("Lyon-10013 (I13-336)", 41500, 1600)
    {
      color="green";
      Outlier("General", 0.05);
    };
    R_Date("Lyon-10016 (K50-71)", 37380, 980)
    {
      color="brown";
      Outlier("General", 0.05);
    };
    Boundary("Start 2upper Hyena");
    Phase("2upper Hyena")
    {
      R_Date("OxA-30956 (K52 charcoals)", 32950, 450)
      {
        color="red";
      };
      Outlier("General", 0.05);
    };
    R_Date("OxA-31475 (J52-487)", 38400, 900)
    {
      color="red";
      Outlier("General", 0.05);
    };
    R_Date("OxA-31476 (J52-487)", 39300, 1100)
    {
      color="red";
      Outlier("General", 0.05);
    };
    R_Date("OxA-31477 (K52-30)", 36600, 750)
    {
      color="red";
      Outlier("General", 0.05);
    };
    Combine("")
    {
      R_Date("OxA-31478 (K53-88)", 35850, 700)
      {
        color="red";
      };
    };
  };
};
Combine("")
{
  R_Date("OxA-31475 (J52-487)", 38400, 900)
  {
    color="red";
  };
  R_Date("OxA-31476 (J52-487)", 39300, 1100)
  {
    color="red";
  };
  R_Date("OxA-31477 (K52-30)", 36600, 750)
  {
    color="red";
  };
  R_Date("OxA-31478 (K53-88)", 35850, 700)
  {
    color="red";
  };
};
};
```

```

Outlier("General", 0.05);
};
R_Date("OxA-31479 (K53-88)", 34950, 650)
{
  color="red";
  Outlier("General", 0.05);
};
};
};
Boundary("End 2upper Hyena");
};
Sequence()
{
  R_Date("Lyon-10013 (I13-336)", 41500, 1600)
  {
    color="green";
    Outlier("General", 0.05);
  };
  R_Date("Lyon-10016 (K50-71)", 37380, 980)
  {
    color="brown";
    Outlier("General", 0.05);
  };
  Boundary("Start 2upper Hominid");

```

```

Phase("2upper Hominid")
{
  R_Date("Lyon-15854 (K52-235)", 37800, 1100)
  {
    color="green";
    Outlier("General", 0.05);
  };
  R_Date("Lyon-15855 (K53-3)", 33020, 600)
  {
    color="green";
    Outlier("General", 0.05);
  };
};
Boundary("End 2upper Hominid");
};
Order()
{
  Boundary("=Start 2upper Hyena");
  Boundary("=End 2upper Hyena");
  Boundary("=Start 2upper Hominid");
  Boundary("=End 2upper Hominid");
};
};

```