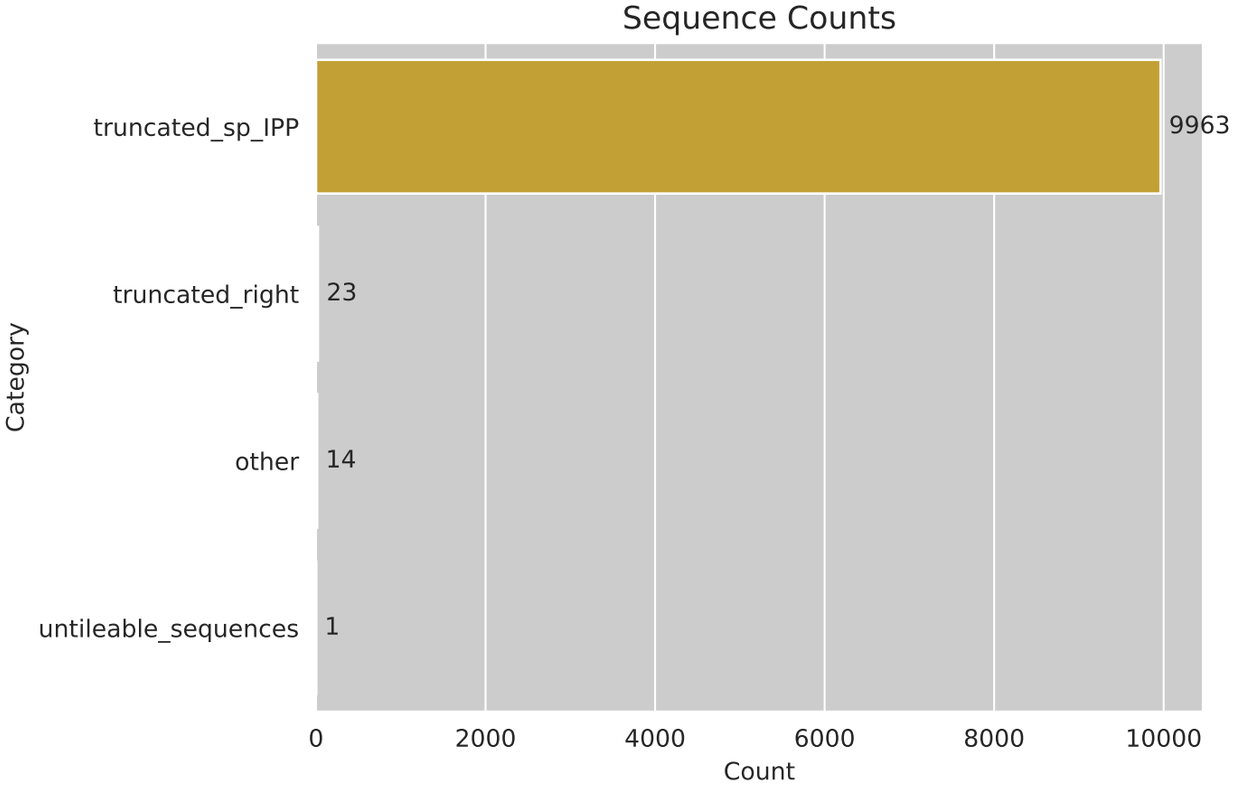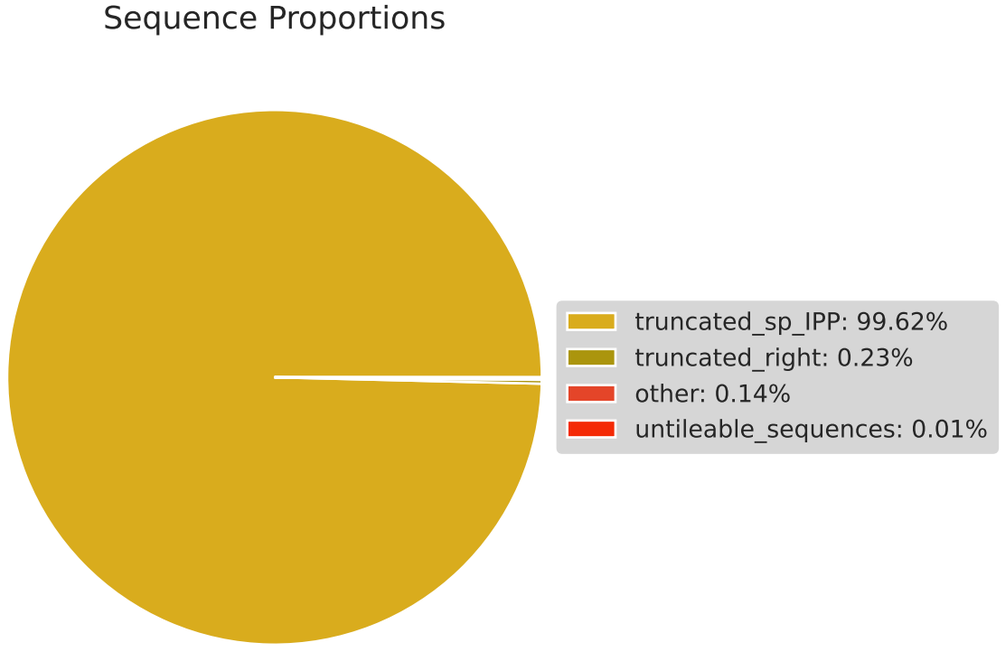truncated_sp_IPP_m_0