**ClinVar SNP Exploration Worksheet**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

**SNP Selected (except T877A):**

**1. ClinVar Links Investigation:**

* **Summary of Information from ClinVar Links:**
* (What details did you find about the SNP? Include any relevant clinical significance or associated conditions using your own words.)

**2. SNP Location on Structure:**

* **Highlight and analyze the SNP on the protein structure:**
* (Use tools to visualize and note any significant regions, like active sites or binding domains, and potential interactions)

**3. Wild-Type (WT) vs. Mutant Comparison:**

* (Describe any structural changes or potential functional impacts due to the mutation.)

**4. Hypothesis Development:**

* **How might this mutation impact the protein's function and contribute to disease?**
* (Formulate your hypothesis based on your observations and information from ClinVar.)

**5. Reflection:**

* **Why did you pick this particular SNP?**
* **What did you find most challenging, interesting, or unclear about this activity?**