**Technical Terms:**

1. Overview of Service

|  |  |
| --- | --- |
| Species Name | *VAR\_SPECIES* |
| Genome Size | xxG |
| Sample Type | Purified genomic DNA sample/Tissue |
| Sample Number | SAM\_NUM\_1 |
| Bioinformatics | VAR\_ALY |
| Turnaround Time | VAR\_TAT working days starting after we receive the library preparation confirmation from client |

2. Sample Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample Type | Amount (Qubit) | Volume | Concentration (Qubit) | Note |
| HMW Genomic DNA | ≥10μg | ≥50 μL | ≥100 ng/μL | Purity and concentration should be measured by Qubit  OD260/280=1.8-2.0  OD260/230=2.0-2.2  No degradation or RNA contamination |
| Bacteria | Strongly Recommended | 0.3g | -- | - |
| Required | 0.2g |
| Fungus | Strongly Recommended | 2g | - |
| Required | 1g |
| Plant  Fresh Tissue | Strongly Recommended | 4g | - |
| Required | 2g |
| Animal  Fresh Tissue | Strongly Recommended | 4g | Note: it is recommended at least 3g in case of insects with ordinary size, such as beetles. |
| Required | 2g |