**Technical Terms:**

1. Overview of Service

|  |  |
| --- | --- |
| Species Name | *VAR\_SPECIES* |
| Sample Type | Purified HMW DNA sample |
| Genome size | 3G |
| Sample Number | SAM\_NUM\_1 |
| Library Type | 10X Genomics DNA library |
| Bioinformatics | VAR\_ALY |
| Turnaround Time | VAR\_TAT working days starting after we receive the library preparation confirmation from client |

2. Sample Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample Type | Remarks | Amount | Volume | Concentration | Purity |
| HMW Genomic DNA | Strongly Recommended | ≥4 μg | ≥30 μL | ≥30ng/μL | Main peak≥50kb  OD260/280=1.8-2.0  No degradation or RNA contamination |
| Required | ≥2 μg | ≥20μL |
| Fresh Animal Tissue | Weight | ≥3 g | - | - | - |
| Fresh Plant Tissue | Weight | ≥5 g | - | - | - |
| Cells | Count | ≥5×108 | - | - | - |
| Blood | Volume | ≥10ml | - | - | - |