# Epigenomics Shared Facility (ESF) Service Price List (2012-2013)

## 1. Library Preparation:

| **Service** | | **Non-member** | **NSC members** |
|---|---|---|---|
| *Assay* | *Sample Type* | **Total Cost** | **Total Cost** |
| Resequencing (whole genome, exome, targeted capture) | Genomic DNA | **$400** | **$200** |
| Amplicon sequencing | PCR amplified DNA | **$400** | **$200** |
| ChIP-seq | Immunoprecipitated chromatin and input DNA | **$400** | **$200** |
| miRNA-seq | Total RNA | **$400** | **$200** |
| Directional RNA-seq | Total RNA | **$450** | **$225** |
| *De novo* assembly (mate pair library) | Genomic DNA | **$750** | **$375** |

## 2. Illumina HiSeq 2000 Sequencing Services [1]:

| **Service** | | **Non-member** | **NSC members** |
|---|---|---|---|
| | | **Total Cost** | **Total Cost** |
| **Read Length** | *Recommended assays* | **50 bp** | |
| Single end (SE) sequencing cost/lane | HELP-tagging, miRNA-seq | **$1,300** | **$650** |
| Paired end (PE) sequencing cost/lane [2] | | **$1,850** | **$925** |
| | | | |
| **Read Length** | | **100 bp** | |
| Single end (SE) sequencing cost/lane | RNA-seq | **$1,600** | **$800** |
| Paired end (PE) sequencing cost/lane | RNA-seq, resequencing, amplicon sequencing, ChIP-seq, *de novo* assembly | **$2,300** | **$1,150** |
| | | | |
| **Read Length** | | **150 bp[2]** | |
| Single end (SE) sequencing cost/lane [2] | | **$1,900** | **$950** |
| Paired end (PE) sequencing cost/lane [2] | | **$2,800** | **$1,400** |

## 3. Illumina MiSeq Sequencing Services [3]:

| Service | Non-member | NSC members |
|---|---|---|
| | Total Cost | Total Cost |
| Read Length | 36-50 bp single end or 2x25 bp paired end | |
| Sequencing cost/run | $750 | $375 |
| | | |
| Read Length | 1x100-150 bp single end or 2x100-150 bp paired end | |
| Sequencing cost/run | $1,000 | $500 |

## 4. Multiplexing Charges [4]:

| Service | Non-member | NSC members |
|---|---|---|
| | Total Cost | Total Cost |
| Multiplexing♣ / 1-4 samples, cost/lane | $50 | $25 |
| Multiplexing♣ /5-8 samples, cost/lane | $100 | $50 |
| Multiplexing♣ /9-12 samples, cost/lane | $150 | $75 |

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[1] Number of reads expected/lane ~100-150 million. Turnaround time 4-8 weeks, depending upon the type of assay and read length.

[2] Uncommon requests: only available when provided enough samples to fill 7 lanes (whole flow cell).

[3] Number of reads expected ~6 million. Turnaround time usually <1 week after library preparation.

[4] Truseq barcode adapters can be purchased from the ESF.

## 5. Exome-seq: Human

We use SeqCap EZ Exome Library v3.0 (NimbleGen) solution-based capture method that enables enrichment of the whole exome and miRNAs, based on the latest database builds and offering a 64 Mb sequence capture.

| **Read Length** | **2x100 bp** | |
|---|---|---|
| | **Non-member** | **NSC members** |
| **Service** | **Total Cost** | **Total Cost** |
| Library cost /sample | **$400** | **$200** |
| Capture cost/sample[1] | **$300** | **$150** |
| Paired end (PE) sequencing cost/lane/3samples | **$2,300** | **$1,150** |
| Total cost for 3 samples (Library+Capture+Sequencing) | **$4,400** | **$2,200** |
| Cost/sample | **$1,467** | **$734** |

[1] must submit minimum of 3 samples to process at one time.

Turnaround time: 6-12 weeks depending upon the number of samples.

## 6. Exome-seq: Mouse

Please enquire at the Epigenomics Shared Facility (ESF), this service is currently being made available.

## 7. Custom design Target Capture sequencing

We use SeqCap EZ Choice Libraries (NimbleGen) to enrich customer regions of interest in various sizes up to 50 Mb for human and other genomes. Please enquire at the Epigenomics Shared Facility (ESF) for more details.