# **Request for bed file creation**

**Instructions:**

1. **Add genes symbols and/or transcripts to a panel in Moka**
2. **Add panel description to Moka**
3. **Answer following questions:**
4. **Pan number of bed file to be created:**

|  |  |  |
| --- | --- | --- |
| NGS CNV sites v3 | Update of NGS CNV v2 - see NGS CNV v3 file for co-ordinates | Pan3253 |
| SNP\_ID v2 | Inclusion of Exome SNP ID assay | Pan3252 |
| Viapath Integrated Cancer Panel Exon+Intron CNV | -50/+50, 5UTR -50/+50,+ Pan3253, +Pan3254 | Pan3255 |
| Viapath Integrated Cancer Panel variant | -10/+10. 5UTR -10/+10 | Pan3256 |
| Viapath Integrated Cancer Panel Intron CNV | Intronic CNV sites | Pan3254 |

1. **Panel description/name**

Viapath Integrated Cancer Panel

1. **Purpose of BED files:** (delete as appropriate)

* Calculating coverage Pan3256 + Pan3252
* Performing CNV analysis using RPKM Pan3255

1. **Should specific transcripts be used to create the bed file?** (delete as appropriate)

* Yes - use specified transcripts (see question 4a)
* ~~No - use gene symbol to include all refseq transcripts~~

**4a) If transcripts are to be used have you provided multiple transcripts for the same gene?**

* Yes ~~/ No (If yes, please state any genes with multiple transcripts)~~

NF1, NF2, PTCH1, RET

1. **If bed file is to be used for coverage:**

* Exon padding: 10bp

1. **If bed file is to be used for CNV RPKM analysis:** seePan3255

* Control sites to include: Pan657+ Pan3253+Pan3254
* Exon padding: 50bp

1. **Inclusion of UTRs**:

* Include 5’ and 3’ UTRs for all genes: No – 5UTR only
* Padding of UTRs: Yes 10bp for Pan3256, 50bp for Pan3255
* If UTRs are only required for a subset of genes please see section 8

1. **Any additional sites to be included:**

* Please provide genomic coordinates for target regions (without padding)
* Please describe region eg UTR, intronic site.
* Padding will be added as specified above

Eg: Chr1:123456-234567 5’ UTR for Gene ABC

See attached excel –

|  |  |  |
| --- | --- | --- |
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**Requested by: Michael Yau Requested date: 08/10/2019**