# **Request for bed file creation**

Use this form to request the creation of a single BED file (one Pan number). If RPKM and coverage bedfiles are required please submit these on seperate forms.

**Instructions:**

* **Add genes symbols and/or transcripts to a panel in Moka**
* **Add panel description to Moka**
* **Answer following questions:**

1. **Pan number of bed file to be created:**

Pan5119

1. **Panel description/name**

|  |  |  |
| --- | --- | --- |
| **Category** | **SubCategory** | **Panel** |
| VCP2\_Variant**\_**v1 | -30/+30, PTEN\_5UTR-30/+30+Pan4283+Pan5117+ Pan5120 | -30/+30, PTEN\_5UTR-30/+30+Pan4283+ Pan5117+ Pan5120 |

1. **Is this BED file for RPKM?** (delete as appropriate)

No

1. **Is this BED file exclusively based on coordinates provided by a supplier** (e.g SNP identity kits).

No

* 1. If yes, does this need further padding?

N/A

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

Yes

|  |  |
| --- | --- |
| APC | NM\_000038 |
| ATM | NM\_000051.3 |
| BMPR1A | NM\_004329 |
| BRCA1 | NM\_007294 |
| BRCA2 | NM\_000059 |
| BRIP1 | NM\_032043 |
| CDH1 | NM\_004360 |
| CHEK2 | NM\_007194 |
| EPCAM | NM\_002354 |
| GREM1 | NM\_013372 |
| MLH1 | NM\_000249 |
| MSH2 | NM\_000251 |
| MSH3 | NM\_002439 |
| MSH6 | NM\_000179 |
| MUTYH | NM\_001128425 |
| NBN | NM\_002485 |
| NTHL1 | NM\_002528 |
| PALB2 | NM\_024675 |
| PMS2 | NM\_000535 |
| POLD1 | NM\_002691 |
| POLE | NM\_006231 |
| PTEN | NM\_000314 |
| RAD51C | NM\_058216 |
| RAD51D | NM\_002878 |
| RNF43 | NM\_017763 |
| SMAD4 | NM\_005359 |
| SMARCA4 | NM\_001128849 |
| STK11 | NM\_000455 |
| TP53 | NM\_000546 |
| SCG5 | NM\_001144757 |

* 1. **If specific transcripts are to be used have you provided multiple transcripts for the same gene?** (if Yes please state)

No

1. **What padding is required around the exons?**

30bp

1. **Should UTRs be included for ALL genes?** (delete as appropriate)

No

* 1. **Should UTRs be padded?**

N/A

1. **Are UTRs required for SOME genes?** (delete as appropriate)

Yes

* 1. **Please list genes/transcripts.**

PTEN

* 1. **Should UTRs be padded?**

30bp

1. **Any additional BED files to be included in this BED file?** Yes

Please state Pan numbers of additional bed file(s)

Pan4283 (note there is overlap with the chek2 genes)

Pan5117 (6 genomic locations between SCG5 and GREM1)

Pan5120 (15 3UTR regions)

1. **Are any further regions required to be added?**

No

Please provide genomic coordinates for target regions

Please describe region eg UTR, intronic site.

Does the given regions require padding?

Eg: Chr1:123456-234567 5’ UTR for Gene ABC. Add 10bp padding

.Please create a flat file for this BED file

**Requested by: Lorraine Hawkes / Michael Yau**

**Requested date:**