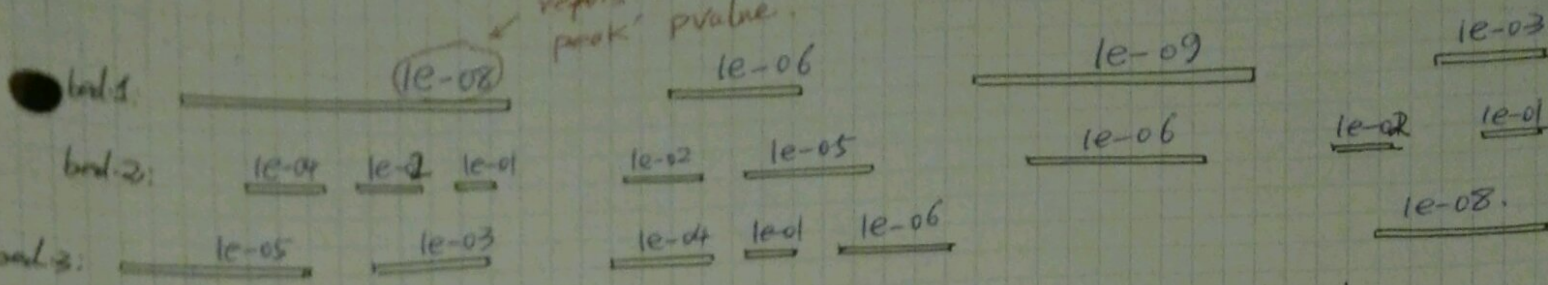


- Note: - ~~Work~~ work with Interval one by one in first bed files.:
  - In multiple Intersection, only choose the one with lowest P-value.

* overlap Hit table when work with peak interval in first bed files:

bed.1	bed.2	bed.3.
1	1,2,3	1,2
2	4,~~5~~ 5	3,4
3	6	0
4	8	6

keep Peak → with lowest pvalue.

bed.1	bed.2	bed.3.
1	1	1.
2	5	3
3	6	0
4	8	6.

* overlap Hit table when work with peak interval one by one in second bed file:

bed.2	bed.1	bed.3.
1	1	1
2	1	2
3	1	2
4	2	3
5	2	4,5
6	3	0
7	0	6
8	4	6.

keep peak → with lowest pvalue.

bed.2	bed.1	bed.3.
1	1	1
2	1	2
3	1	2
4	2	3
5	2	5
6	3	0
7	0	6
8	4	6

* overlap Hit table when work with peak interval one by one in third bed files:

bed.3	bed.1	bed.2.
1	1	1
2	1	2,3
3	2	~~4~~ 4
4	2	~~5~~ 5
5	0	5
6	4	7

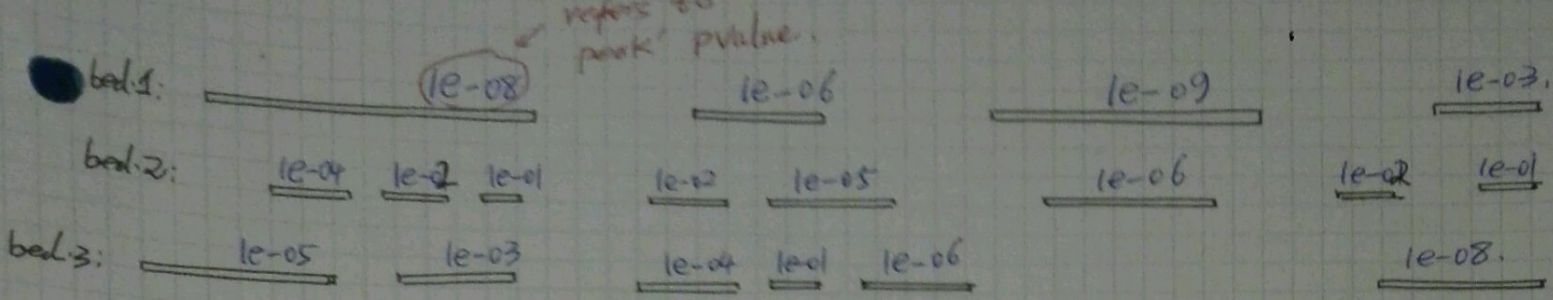
keep peak → with lowes pvalue.

bed.3	bed.1	bed.2.
1	1	1
2	1	2
3	2	4
4	2	5
5	0	5
6	4	7.

** Note: peak' pvalue is lower than 1e-06, considered as stringently enriched peak.

peak's pvalue is greater than 1e-06 & lower than 1e-02, considered as weakly Enriched peak:

‖ objective: To save weakly Enriched peak by helping with overlap evidence through ~~the~~ multiple overlap test:.



- Note: - ~~Loop~~ work with Interval one by one in first bed files.
  - In multiple Intersection, only choose the one with lowest P-value.

* overlap Hit table when work with peak interval in first bed files:

bed.1	bed.2	bed.3.		bed.1	bed.2	bed.3.
1	1,2,3	1,2	keep peak → with lowest pvalue.	1	1	1.
2	4,5	3,4		2	5	3
3	6	0		3	6	0
4	8	6		4	8	6.

* overlap Hit table when work with peak interval one by one in second bed file:

bed.2	bed.1	bed.3.		bed.2	bed.1	bed.3.
1	1	1		1	1	1
2	1	2		2	1	2
3	1	2		3	1	2
4	2	3	keep peak → with lowest pvalue.	4	2	3
5	2	4,5		5	2	5
6	3	0		6	3	0
7	0	6		7	0	6
8	4	6.		8	4	6

* overlap Hit table when work with peak interval one by one in third bed files:

bed.3	bed.1	bed.2.		bed.3	bed.1	bed.2.
1	1	1		1	1	1
2	1	2,3	keep peak → with lowes pvalue.	2	1	2
3	2	4		3	2	4
4	2	5		4	2	5
5	0	5		5	0	5
6	4	7		6	4	7.

** Note: peak' pvalue is lower than 1e-06, considered as stringently enriched peak.

peak's pvalue is greater than 1e-06 & lower than 1e-02, considered as weakly Enriched peak;

objective: To save weakly Enriched peak by helping with overlap evidence through ~~the~~ multiple overlap test;.