

norm\_dispersion\_TSS\_-[500|1000|2000]\_[0|25|50|75]%; percentiles as specified (0|25|50|75%) of normalized ChIP over input enrichment metagene profile values within the interval TSS +/- (500bp|1Kb|2Kb), as specified

### **Scaled whole gene metaprofiles**

chip\_hotSpots\_twopoints\_-[2000|0|500|2500|3000|4000]: ChIP-signal at the specified coordinate position in the scaled whole gene metagene: i.e. respectively (TSS-2Kb | TSS | TSS+500bp | TES-500bp | TES | TES+1Kb).

chip\_localMax\_twopoint\_1\_[x|y]: metagene (x|y) coordinate of maximum ChIP-signal in interval [-2Kb, TSS]

chip\_localMax\_twopoint\_2\_[x|y]: metagene (x|y) coordinate of maximum ChIP-signal in interval [TSS, TSS+500bp]

chip\_localMax\_twopoint\_3\_[x|y]: metagene (x|y) coordinate of maximum ChIP-signal in interval [TSS+500bp, TES-500bp]

chip\_localMax\_twopoint\_4\_[x|y]: metagene (x|y) coordinate of maximum ChIP-signal in interval [TES-500bp, TES]

chip\_localMax\_twopoint\_5\_[x|y]: metagene (x|y) coordinate of maximum ChIP-signal in interval [TES, TES+1Kb]

chip\_auc\_twopoint\_1: ChIP -signal AUC in interval [-2Kb, TSS]

chip\_auc\_twopoint\_2: ChIP -signal AUC in interval TSS, TSS+500bp]

chip\_auc\_twopoint\_3: ChIP -signal AUC in interval [TSS+500bp, TES-500bp]

chip\_auc\_twopoint\_4: ChIP -signal AUC in interval [TES-500bp, TES]

chip\_auc\_twopoint\_5: ChIP -signal AUC in interval [TES, TES+1Kb]

norm\_hotSpots\_twopoints\_-[2000|0|500|2500|3000|4000]: normalized ChIP over input enrichment at the specified coordinate position in the scaled whole gene metagene: i.e. respectively (TSS-2Kb | TSS | TSS+500bp | TES-500bp | TES | TES+1Kb).

norm\_localMax\_twopoint\_1\_[x|y]: metagene (x|y) coordinate of maximum ChIP enrichment in interval [-2Kb, TSS]

norm\_localMax\_twopoint\_2\_[x|y]: metagene (x|y) coordinate of maximum ChIP enrichment in interval [TSS, TSS+500bp]

norm\_localMax\_twopoint\_3\_[x|y]: metagene (x|y) coordinate of maximum ChIP enrichment in interval [TSS+500bp, TES-500bp]

norm\_localMax\_twopoint\_4\_[x|y]: metagene (x|y) coordinate of maximum ChIP enrichment in interval [TES-500bp, TES]

norm\_localMax\_twopoint\_5\_[x|y]: metagene (x|y) coordinate of maximum ChIP enrichment in interval [TES, TES+1Kb]

norm\_auc\_twopoint\_1: ChIP enrichment AUC in interval [-2Kb, TSS]

norm\_auc\_twopoint\_2: ChIP enrichment AUC in interval TSS, TSS+500bp]

norm\_auc\_twopoint\_3: ChIP enrichment AUC in interval [TSS+500bp, TES-500bp]

norm\_auc\_twopoint\_4: ChIP enrichment AUC in interval [TES-500bp, TES]

norm\_auc\_twopoint\_5: ChIP enrichment AUC in interval [TES, TES+1Kb]