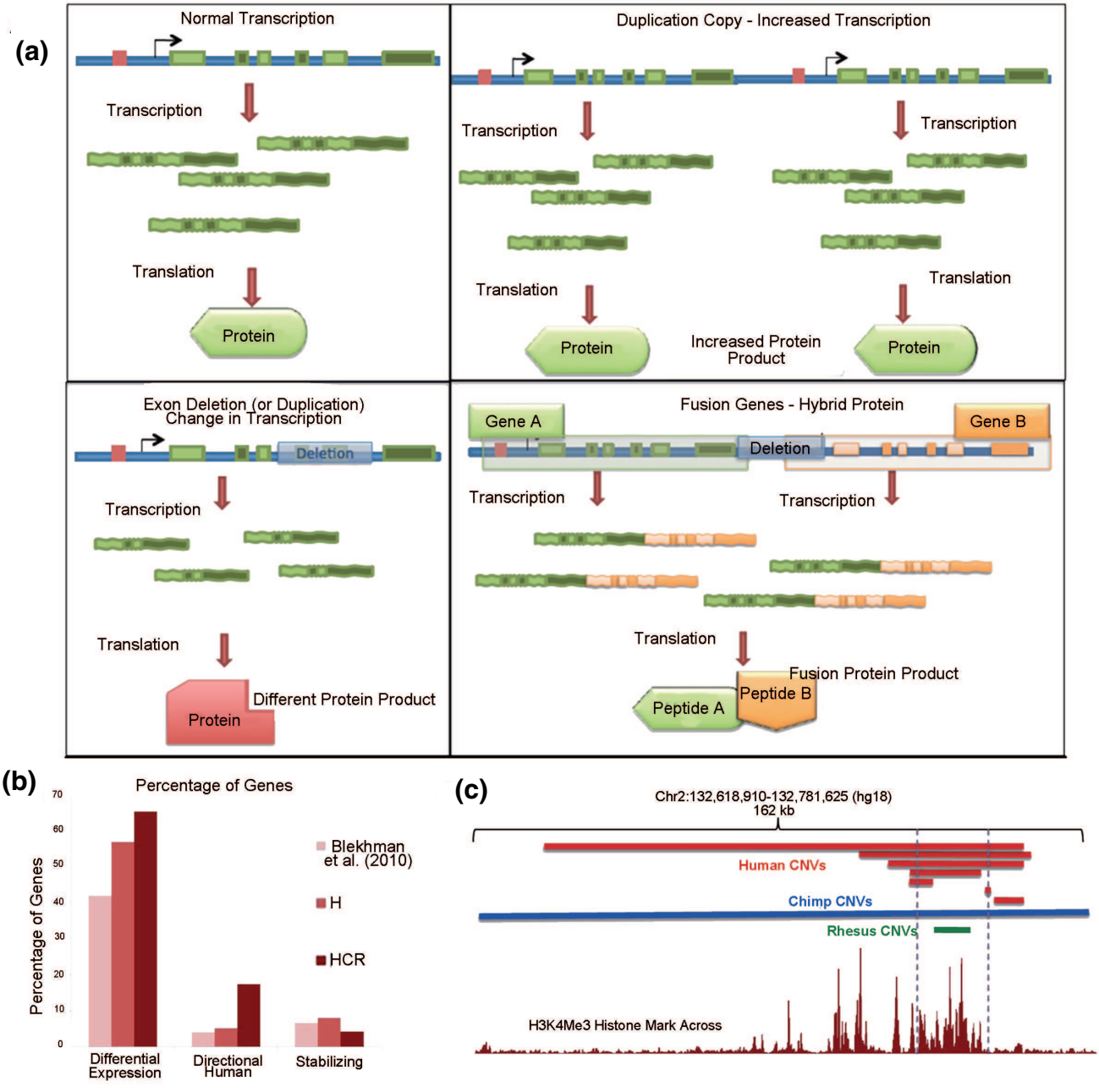
(a)
Normal Transcription
Transcription
Translation
Protein
Duplication Copy - Increased Transcription
Transcription
Transcription
Translation
Translation
Protein
Increased Protein Product
Protein
Exon Deletion (or Duplication) Change in Transcription
Deletion
Transcription
Translation
Protein
Different Protein Product
Fusion Genes - Hybrid Protein
Gene A
Deletion
Gene B
Transcription
Transcription
Translation
Fusion Protein Product
Peptide A
Peptide B
(b)
Percentage of Genes
Percentage of Genes
70
60
50
40
30
20
10
0
Blekhman et al. (2010)
H
HCR
Differential Expression
Directional Human
Stabilizing
(c)
Chr2:132,618,910-132,781,625 (hg18)
162 kb
Human CNVs
Chimp CNVs
Rhesus CNVs
H3K4Me3 Histone Mark Across