

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Rate of Chromosome lagging, deletion, duplication in meiotic process.

File Name: Supplementary Data 2

Description: Mapped reads numbers for CAU5 every single nucleus and cell analysed.

File Name: Supplementary Data 3

Description: Mapped reads numbers for B73 single sperm nucleus analysed.

File Name: Supplementary Data 4

Description: Mapped reads numbers for B73-inducer single sperm nucleus analysed.

File Name: Supplementary Data 5

Description: Mapped reads numbers for Chang7-2 single sperm nucleus analysed.

File Name: Supplementary Data 6

Description: Mapped reads numbers for CHO13 single sperm nucleus analysed.

File Name: Supplementary Data 7

Description: Windows defined for CNV calling of CAU5 single nucleus and cell sequencing data.

File Name: Supplementary Data 8

Description: Windows defined for CNV calling of B73 single nucleus sequencing data.

File Name: Supplementary Data 9

Description: Windows defined for CNV calling of B73-inducer single nucleus sequencing data.

File Name: Supplementary Data 10

Description: Windows defined for CNV calling of Chang7-2 single nucleus sequencing data.

File Name: Supplementary Data 11

Description: Windows defined for CNV calling of CHO13 single nucleus sequencing data.

File Name: Supplementary Data 12

Description: Mapped reads amount of every embryo and endosperm sequencing data.

File Name: Supplementary Data 13

Description: Windows defined for embryo and endosperm CNV calling.

File Name: Supplementary Data 14

Description: 700-SNPs contained windows defined for embryo and endosperm SNV ratio calling.