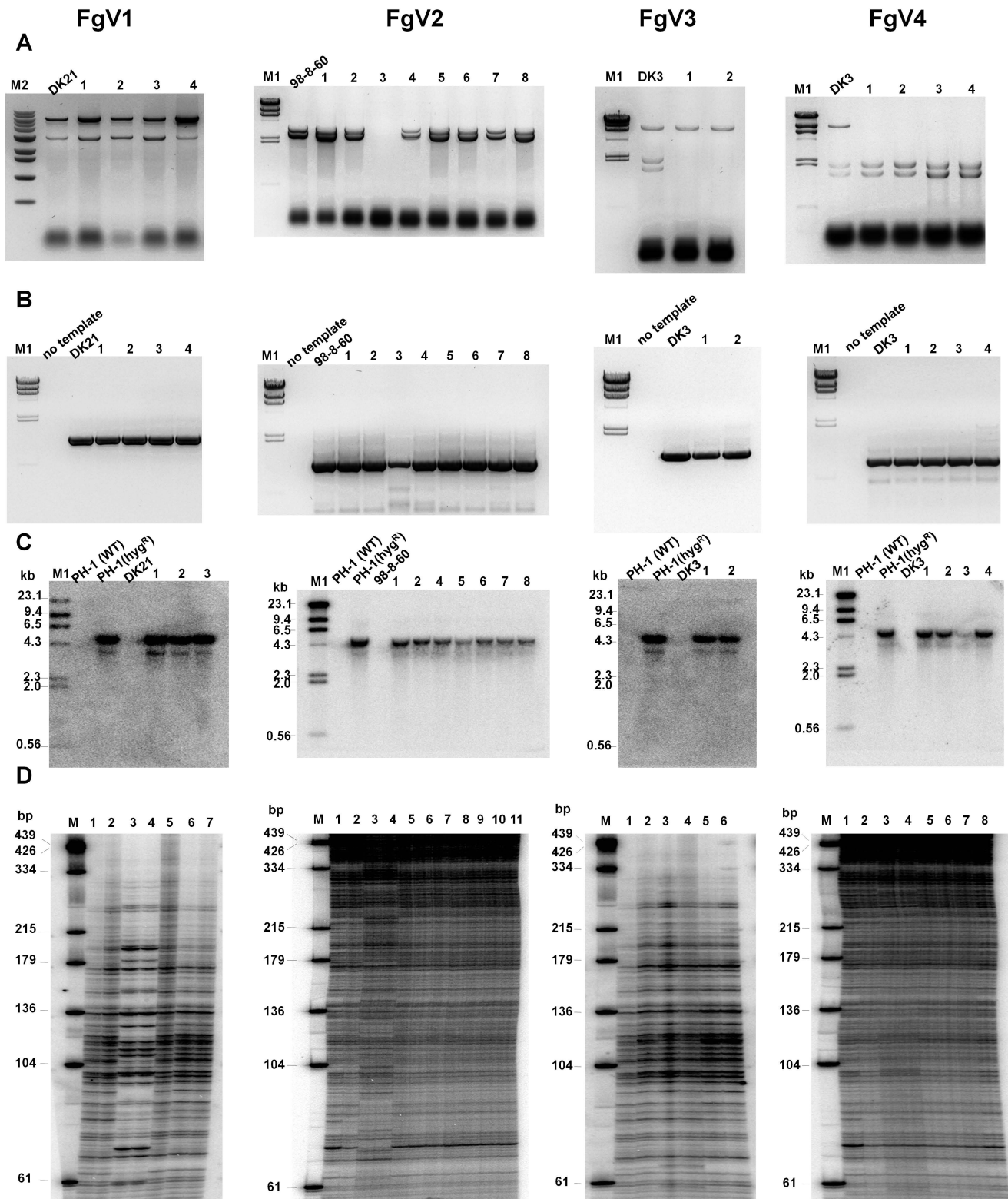


Figure S1



## Figure S2

Histon H3 position

*F. asiaticum*- 278 (G), *Fusarium graminearum*- 279(T)

```
                220          *           240          *           260          *           280
DK21           : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCACCACCTGAACATCGCATCATCGCTTGACA
98-8-60        : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCTGAACATCGCATCATCGCATGCA
DK3            : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_5883      : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_6394      : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_13383     : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_28063     : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_28336     : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_29169     : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
NRRL_31084     : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
PH-1 (FgV1)    : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
PH-1 (FgV2)    : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
PH-1 (FgV3)    : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
PH-1 (FgV4)    : GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
                GCTTCTCATCCGAAAGCTCCCCTTCCAGCGTCTCGTAAGCATCACCCGAACATCGCATCATCGCTTGATA
```

Figure S3

PH-1 strains infected with

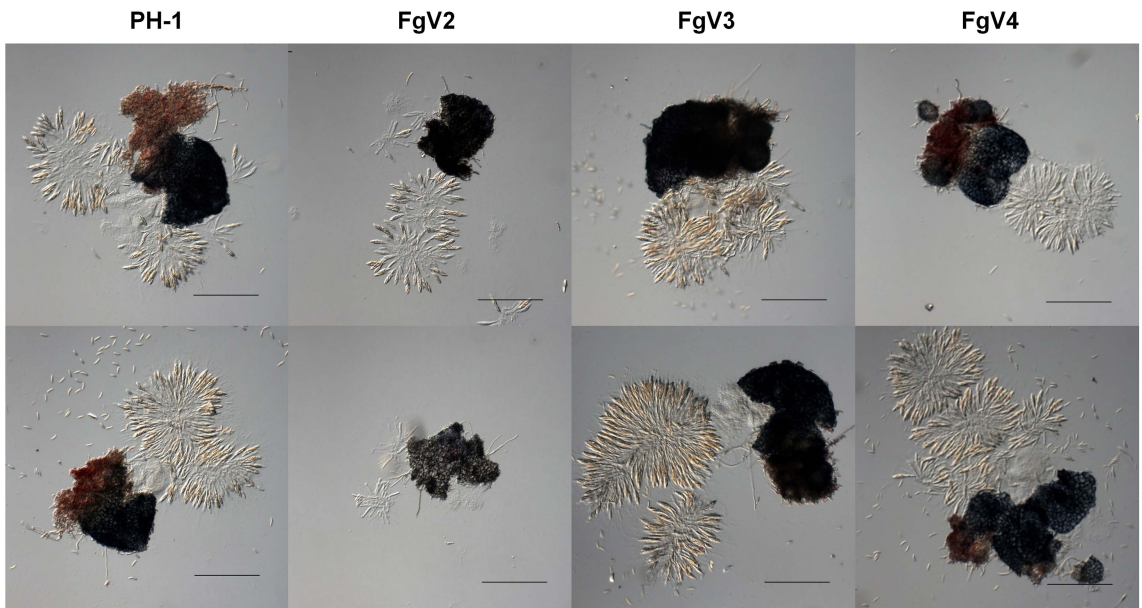


Figure S4

PH-1 strains infected with

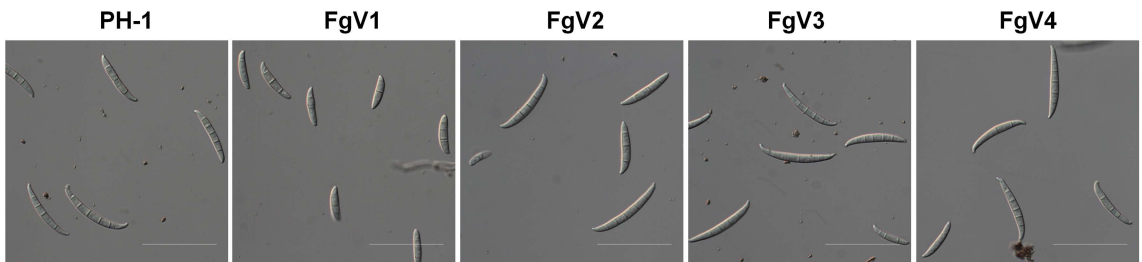
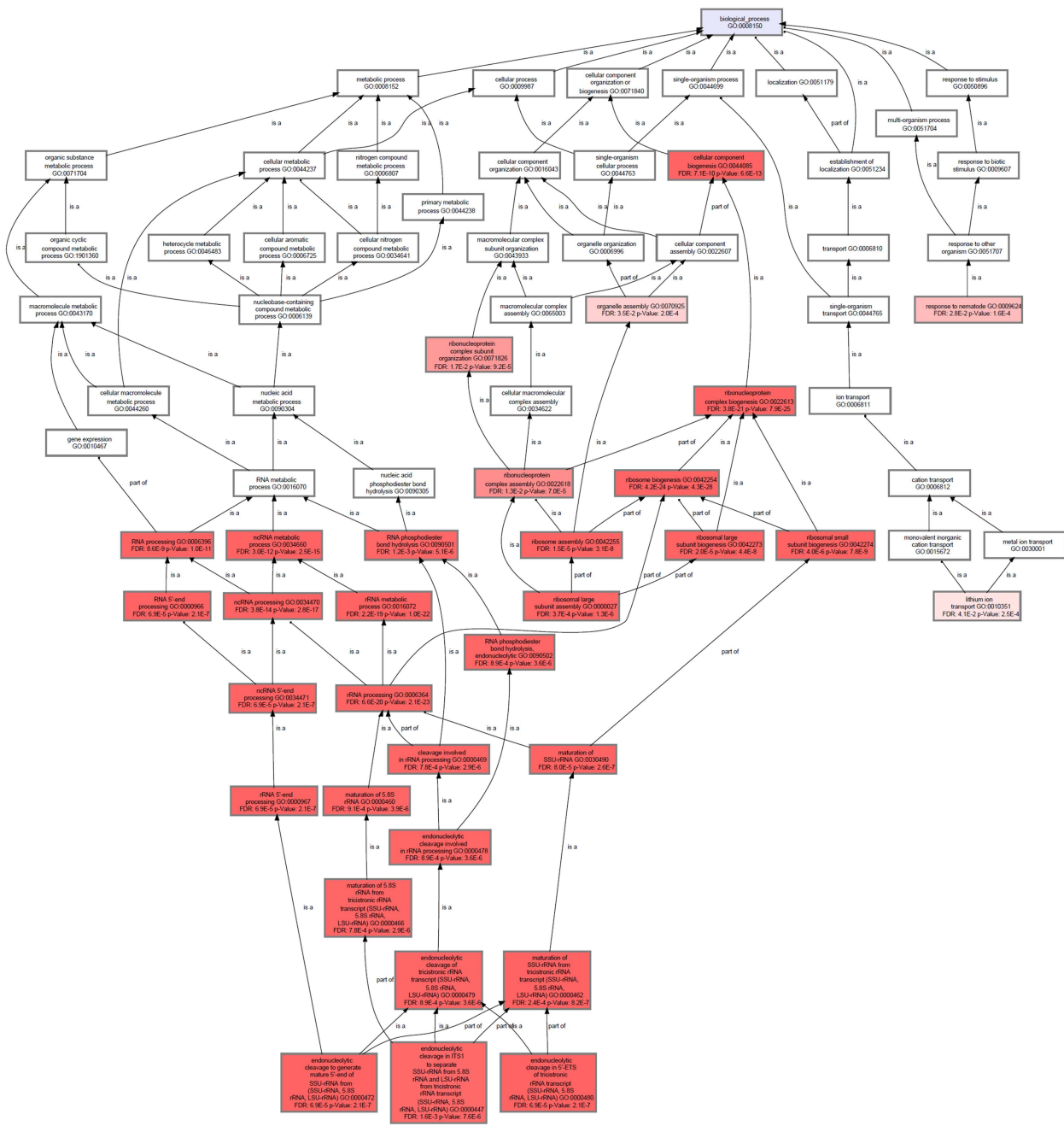


Figure S5



Enriched Graph

Figure S6

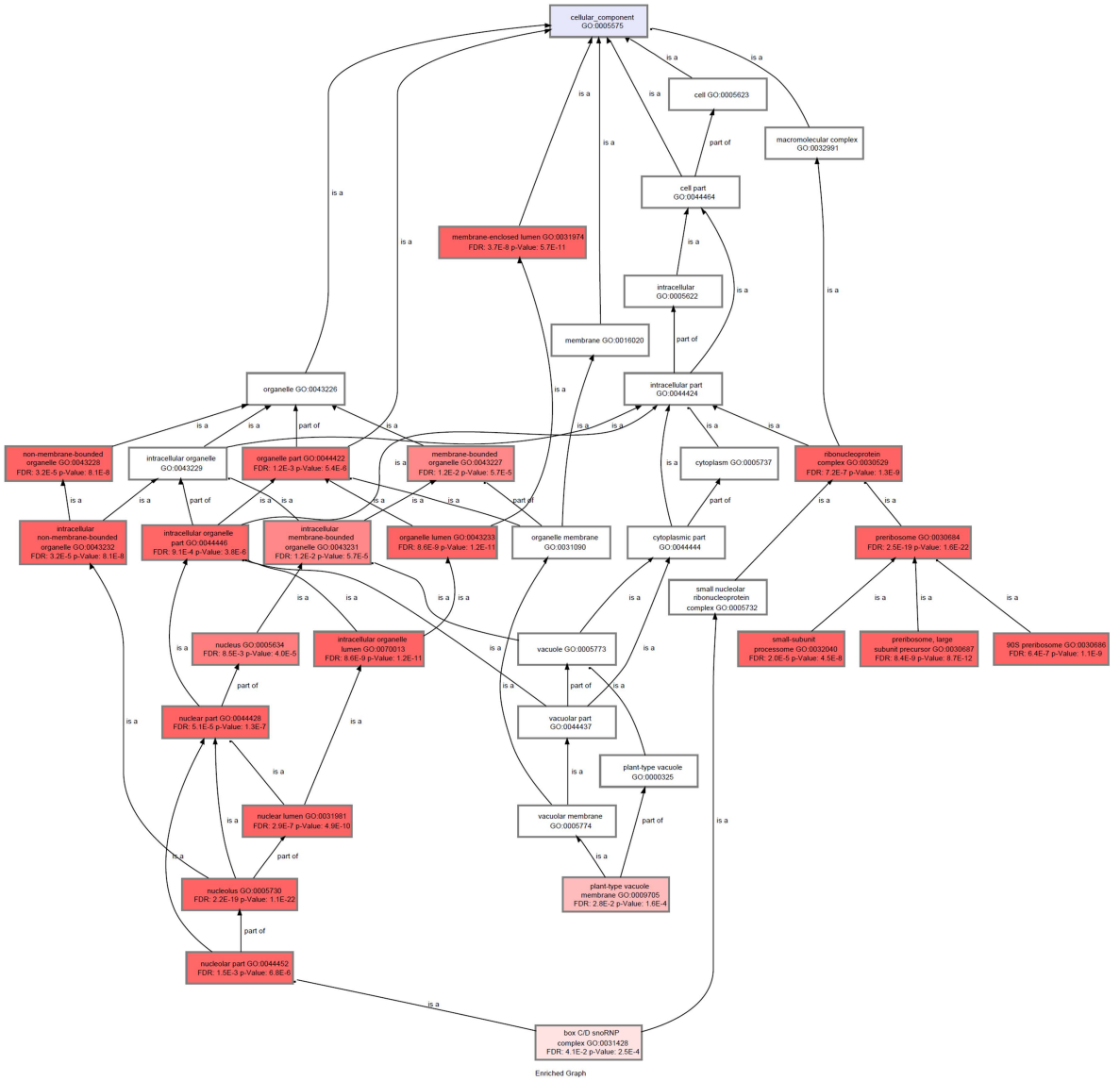


Figure S7

