

Supporting Information

Status of kinases in Epstein-Barr virus and *Helicobacter pylori* Coinfection in Gastric Cancer Cells

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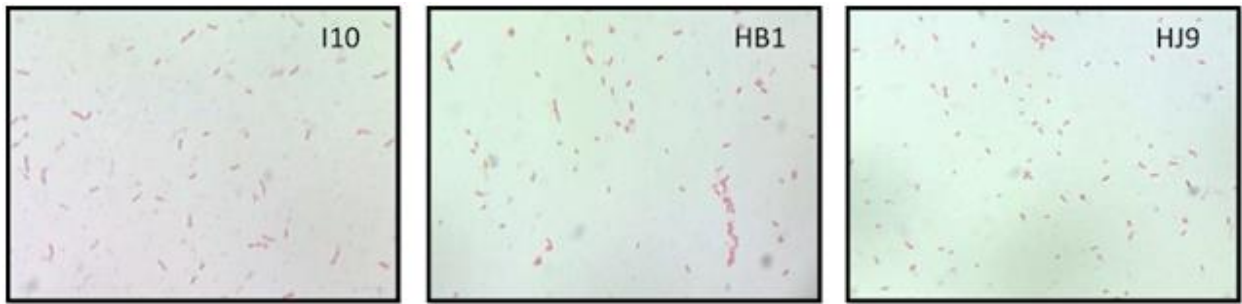


Figure S1. Gram's staining of *H. pylori* strain: Gram's staining of *H. pylori* strain I10 and isolates HB1, HJ9 respectively

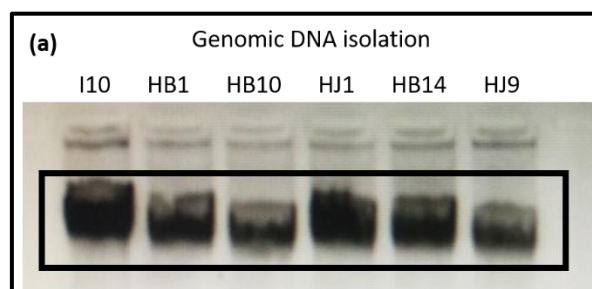


Figure S2. Genomic DNA isolation for samples: *H. pylori* isolates were obtained through genomic isolation for samples I10, HB1, HB10, HJ1, HB14, and HJ9.

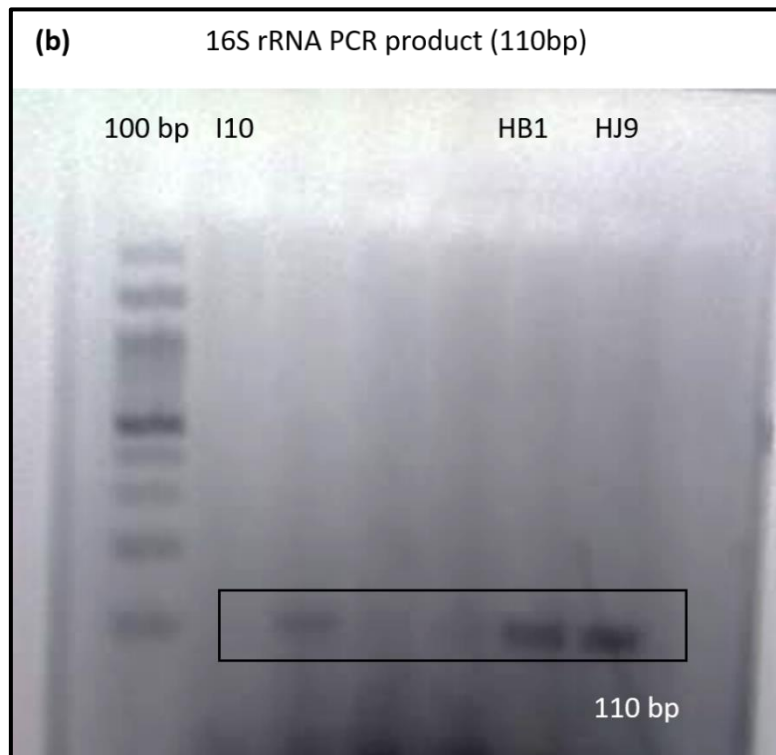


Figure S3. 16s PCR product of samples: 16s PCR product size of 110bp was obtained for I10, HB1, and HJ9, respectively.

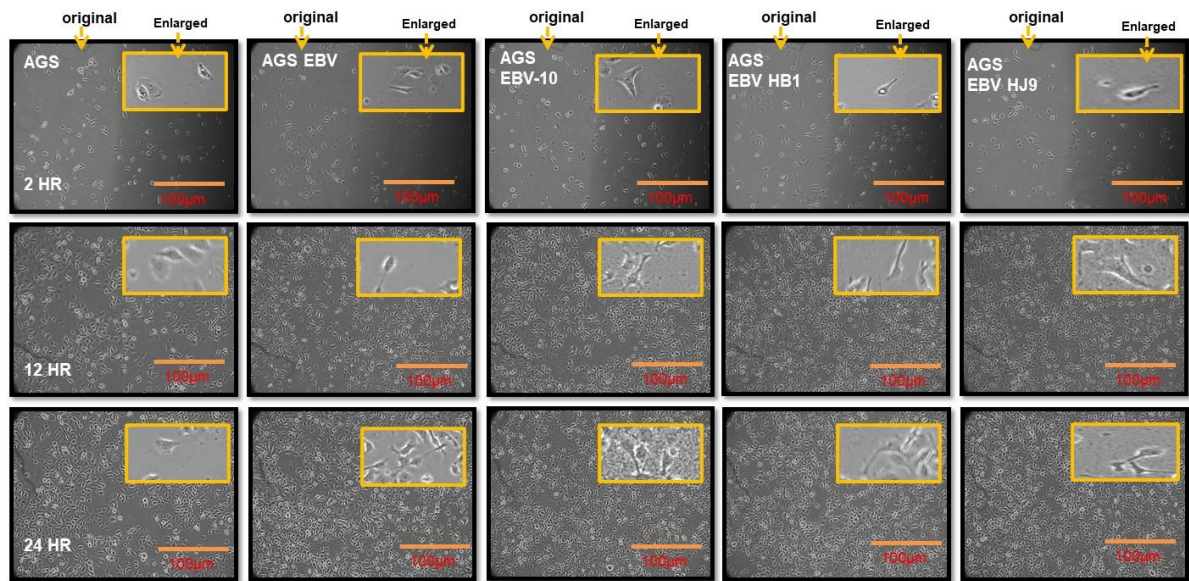


Figure S4. *H. pylori* and EBV co-infection leads to morphological changes: AGS cells were infected with EBV and then AGS cells were infected with EBV and *H.pylori* I10, HB1, HJ9 respectively. Changes in number of cells and morphological changes were observed at 2h, 12 h and 24 h where insert image shows the enlarged image of morphological changes.

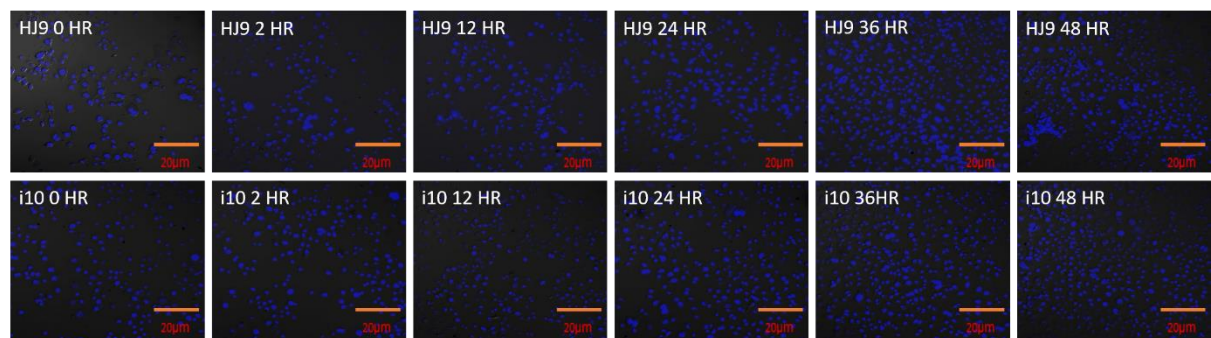


Figure S5. *H. pylori*-infected AGS cells stained with DAPI: AGS cells were infected with I10, HJ9, and stained with DAPI and at 0, 2, 12, 24, 36 and 48 h cell length was measured through ImageJ software.

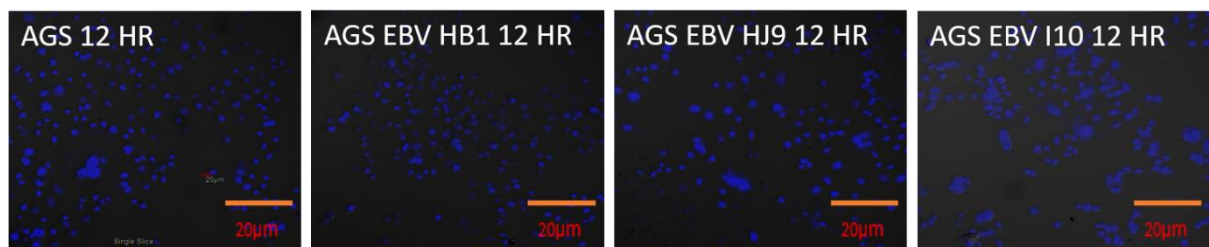


Figure S6. Cell length measurement at 12 h: AGS cells were then infected with I10, HJ9 followed by infection with EBV in each infected cell, and cell length was measured at 12 h through image J software.

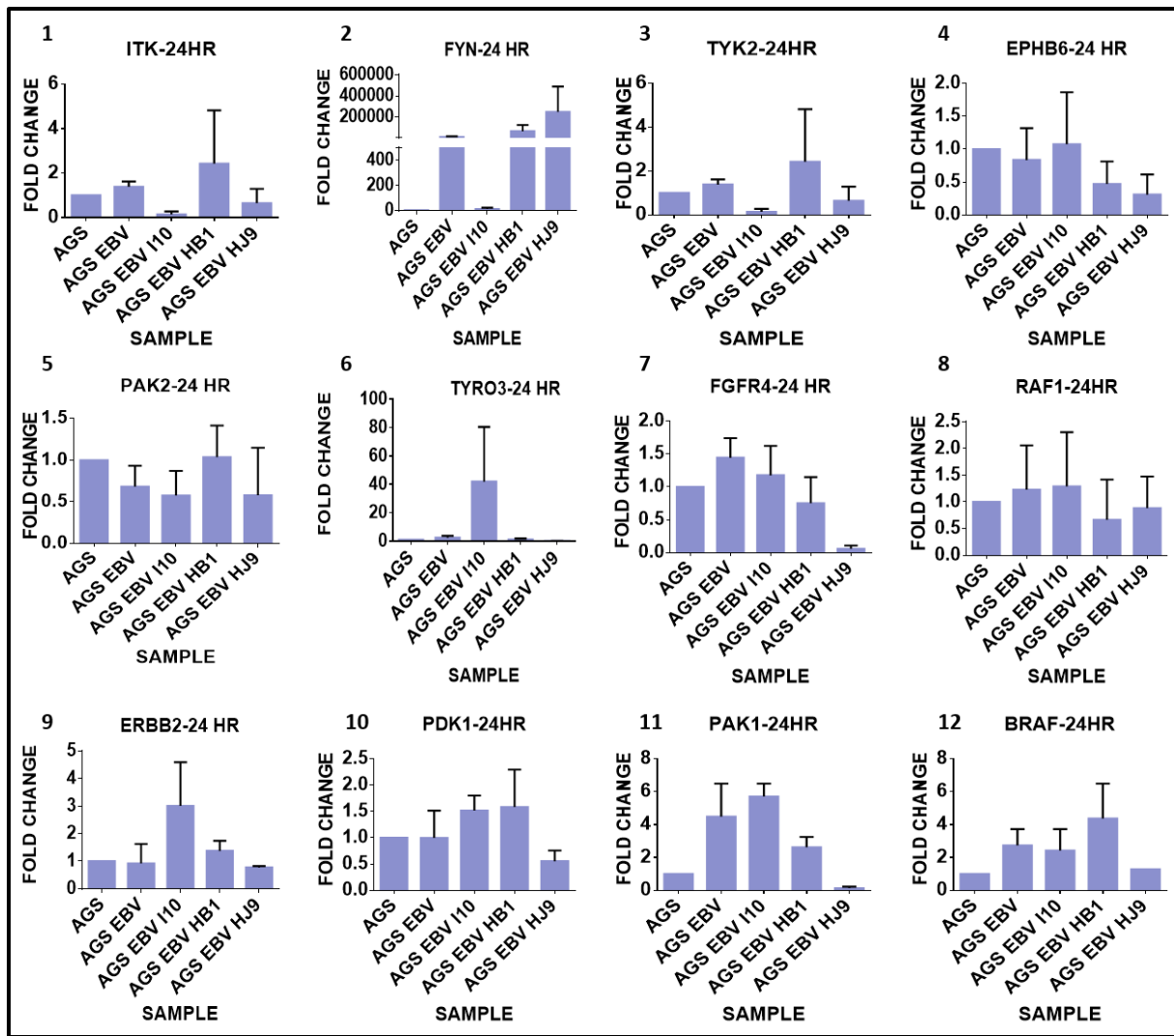


Figure S7. 24 hrs without insert: Assessment of kinase gene's expression was shown with a direct approach at 24 hr.

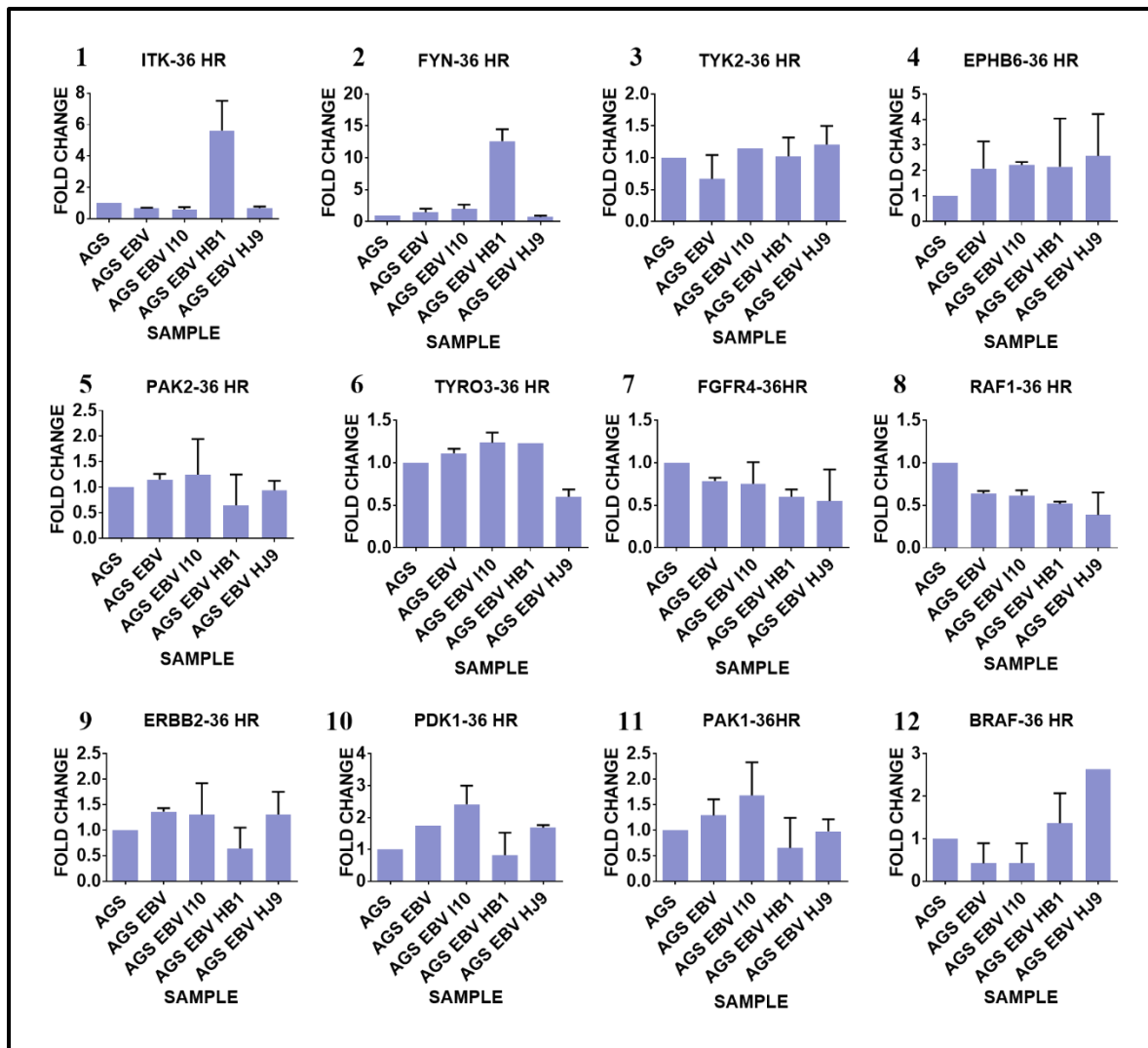


Figure S8. 36 hrs without insert: Assessment of kinase gene's expression was shown with a direct approach at 36 hr.

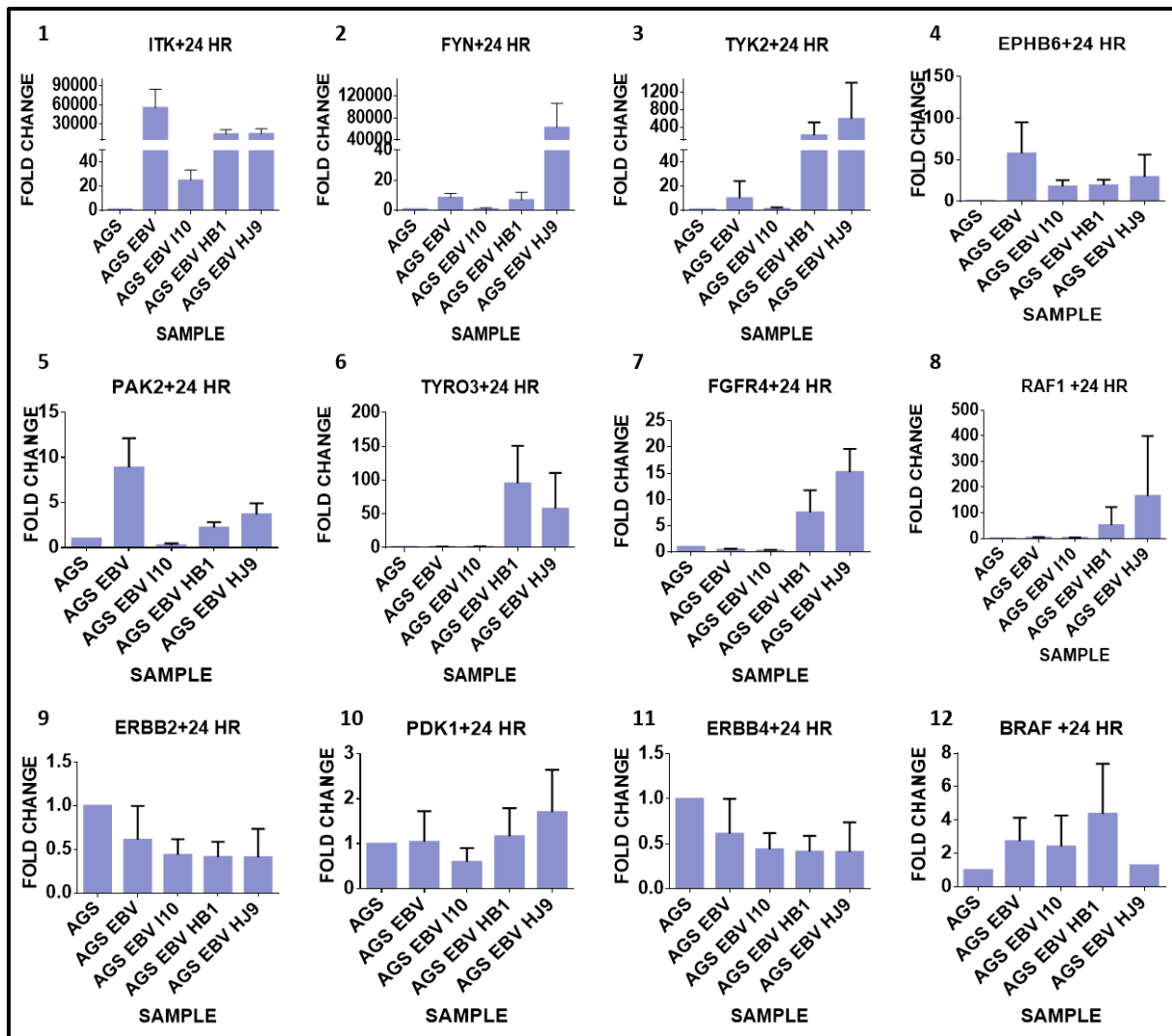


Figure S9. 24 hrs with insert: Assessment of kinase gene's expression was shown with an indirect approach at 24 hr.

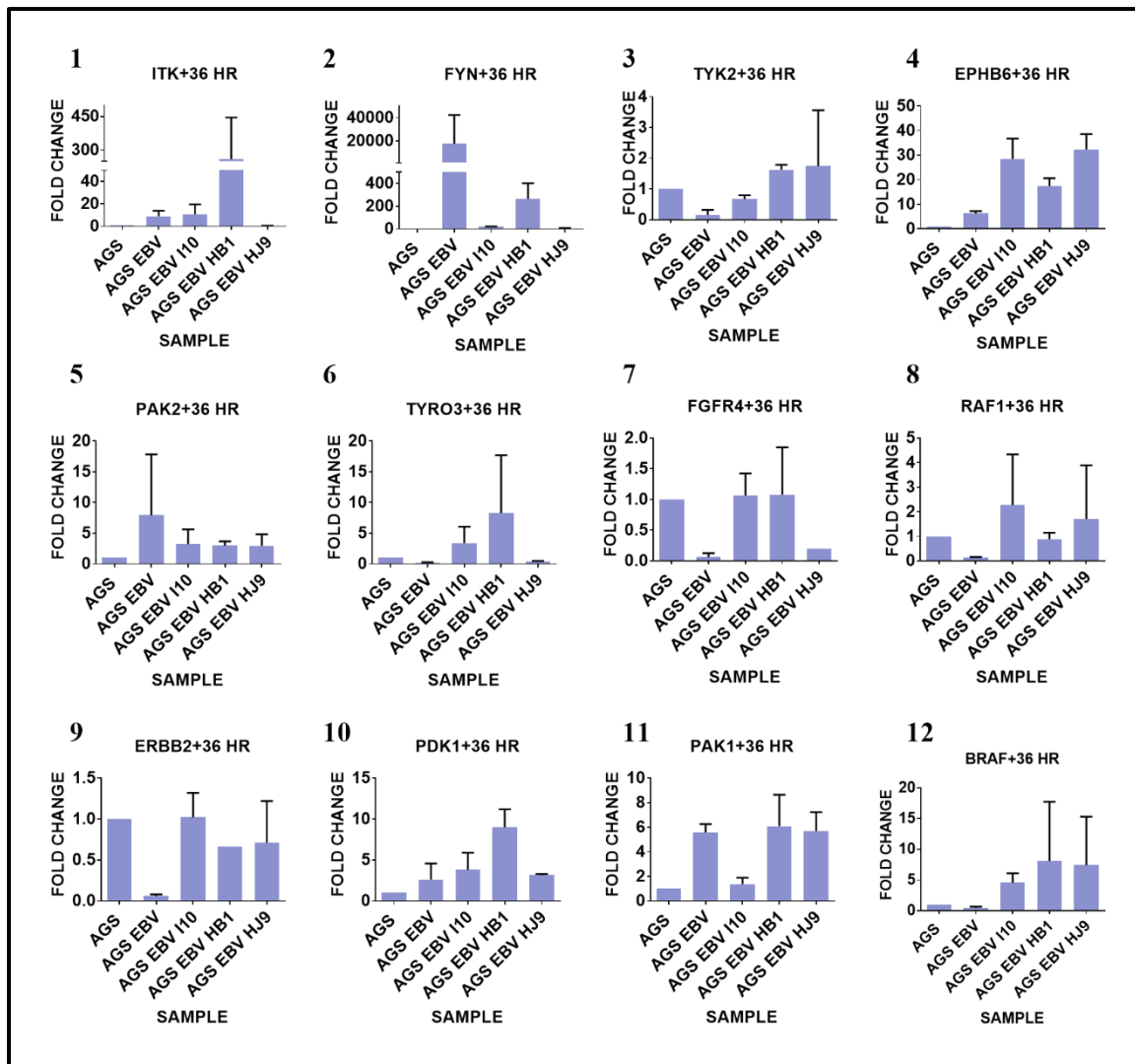


Figure S10. 36 hrs with insert: Assessment of kinase gene's expression was shown with an indirect approach at 36 hr.