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| |  | | --- | |  | | **Fusarium** | | | |  |  |  | | --- | --- | --- | | 1/17 | Experiment FG21 | [Transcript Expression Profiles of F. graminearum During the Infection of Wheat and Rice](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG21&genechip=Fusarium) | | Submitter: | | Jon R Menke | | Head of Lab: | | Corby Kistler | | Experiment Factors: | | species, time | | GeneChip Type: | | Fusarium | | **Experiment design** (18 hybridizations)  *species*  *•Wheat •Rice*  *time*  *•48 hai •96 hai •192 hai* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 2/17 | Experiment FG19 | [Stage-specific expression patterns of Fusarium graminearum growing inside wheat coleoptiles with laser microdissection](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG19&genechip=Fusarium) | | Submitter: | | Wei-Hua Tang | | Head of Lab: | | Wei-Hua Tang | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (17 hybridizations)  *time*  *•0 hpi •16 hpi •40 hpi •64 hpi •240 hpi •72 hrs* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 3/17 | Experiment FG18 | [Trichothecene synthesis in a Fusarium graminearum Fgp1 mutant.](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG18&genechip=Fusarium) | | Submitter: | | Harold Corby Kistler | | Head of Lab: | | H. Corby Kistler | | Experiment Factors: | | genotype | | GeneChip Type: | | Fusarium | | **Experiment design** (6 hybridizations)  *genotype*  *•Wild type •fgp1 mutant* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 4/17 | Experiment FG16 | [Fusarium graminearum gene expression in wheat stems during infection](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG16&genechip=Fusarium) | | Submitter: | | Heather E Hallen | | Head of Lab: | | Frances Trail | | Experiment Factors: | | developmental stage name | | GeneChip Type: | | Fusarium | | **Experiment design** (12 hybridizations)  *developmental stage name*  *•IF - vegetative hyphae •RW - wide dikaryotic hyphae •SW - perithecial initials •YP - young perithecia* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 5/17 | Experiment FG15 | [F. graminearum gene expression during wheat head blight](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG15&genechip=Fusarium) | | Submitter: | | Erik Lysøe | | Head of Lab: | | H. Corby Kistler (CDL) | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (21 hybridizations)  *time*  *•0 hrs •24 hrs •48 hrs •72 hrs •96 hrs •144 hrs •192 hrs* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 6/17 | Experiment FG14 | [DON induction media](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG14&genechip=Fusarium) | | Submitter: | | Donald Max Gardiner | | Head of Lab: | | John Manners | | Experiment Factors: | | growth condition | | GeneChip Type: | | Fusarium | | **Experiment design** (8 hybridizations)  *growth condition*  *•agmatine •glutamine* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 7/17 | Experiment FG13 | [The transcription factor FgStuAp influences spore development, pathogenicity and secondary metabolism in Fusarium graminearum](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG13&genechip=Fusarium) | | Submitter: | | Erik Lysøe | | Head of Lab: | | Corby Kistler (USDA), hckist@umn.edu | | Experiment Factors: | | growth condition, strain | | GeneChip Type: | | Fusarium | | **Experiment design** (18 hybridizations)  *strain*  *•PH-1 •deltaFgStuA*  *growth condition*  *•CMC •Wheat •SecMet* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 8/17 | Experiment FG12 | [Fusarium graminearum gene expression during crown rot of wheat](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG12&genechip=Fusarium) | | Submitter: | | Amber Elise Stephens | | Head of Lab: | | Dr John Manners | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (15 hybridizations)  *time*  *•2 dpi •14 dpi •35 dpi •mycelia cultured* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 9/17 | Experiment FG11 | [Gene Regulation by Fusarium Transcription Factors Tri6 and Tri10](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG11&genechip=Fusarium) | | Submitter: | | Harold Corby Kistler | | Head of Lab: | | H. Corby Kistler | | Experiment Factors: | | strain | | GeneChip Type: | | Fusarium | | **Experiment design** (9 hybridizations)  *strain*  *•PH-1 wildtype •PH-1 tri6 deletion •PH-1 tri10 deletion* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 10/17 | Experiment FG10 | [Response to trichodiene treatment in Fusarium graminearum](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG10&genechip=Fusarium) | | Submitter: | | Harold Corby Kistler | | Head of Lab: | | H. Corby Kistler | | Experiment Factors: | | compound | | GeneChip Type: | | Fusarium | | **Experiment design** (6 hybridizations)  *compound*  *•250 µM trichodiene •no trichodiene* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 11/17 | Experiment FG7 | [Fusarium gene expression profiles during conidia germination stages](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG7&genechip=Fusarium) | | Submitter: | | Kye-Yong Seong | | Head of Lab: | | Corby Kistler | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (12 hybridizations)  *time*  *•0 •2 •8 •24* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 12/17 | Experiment FG6 | [Transcript detection during in vitro sexual development of Fusarium Cch1 calcium channel deletion mutant using Fusariuma Affy GeneChips](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG6&genechip=Fusarium) | | Submitter: | | Heather E Hallen | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (9 hybridizations)  *time*  *•0H •96H •144H* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 13/17 | Experiment FG5 | [Fusarium transcript detection during in vitro sexual development using Fusarium Affy GeneChips](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG5&genechip=Fusarium) | | Submitter: | | Heather E Hallen | | Experiment Factors: | | time | | GeneChip Type: | | Fusarium | | **Experiment design** (23 hybridizations)  *time*  *•0 hrs •24 hrs •48 hrs •72 hrs •96 hrs •144 hrs* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 14/17 | Experiment FG4 | [Fusarium/Barley RNA dilution](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG4&genechip=Fusarium) | | Submitter: | | Kye-Yong Seong | | Experiment Factors: | | dilution | | GeneChip Type: | | Fusarium | | **Experiment design** (5 hybridizations)  *dilution*  *•original PH1 •1/10 •1/100 •1/1000 •1/10000* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 15/17 | Experiment FG3 | [Cross-species hybridization](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG3&genechip=Fusarium) | | Submitter: | | Kye-Yong Seong | | Experiment Factors: | | cross-species comparison | | GeneChip Type: | | Fusarium | | **Experiment design** (14 hybridizations)  *cross-species comparison*  *•F. boothii •F. graminearum •F. asiaticum •F. pseudograminearum •F. oxysporum •F. verticillioides •F. culmorum* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 16/17 | Experiment FG2 | [Expression Profiles in Carbon and Nitrogen Starvation Conditions](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG2&genechip=Fusarium) | | Submitter: | | Kye-Yong Seong | | Experiment Factors: | | growth condition | | GeneChip Type: | | Fusarium | | **Experiment design** (9 hybridizations)  *growth condition*  *•Complete Media •Carbon Starvation •Nitrogen Starvation* | | | |  | |  | | | |  |  |  | | --- | --- | --- | | 17/17 | Experiment FG1 | [Fusarium transcript detection on Morex barley spikes using Fusarium Affy GeneChips](http://www.plexdb.org/modules/PD_browse/experiment_browser.php?experiment=FG1&genechip=Fusarium) | | Submitter: | | Seungho Cho | | Head of Lab: | | Muehlbauer | | Experiment Factors: | | developmental stage | | GeneChip Type: | | Fusarium | | **Experiment design** (18 hybridizations)  *developmental stage*  *•water control •24 hours •48 hours •72 hours •96 hours •144 hours* | | | |  | |  |  |  |