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| **Fusarium** |
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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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| 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* |

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