**DR Maize Image Data Filesystem and Naming Conventions**

**##### FILESYSTEM**

**black=fixed directories**

**red=variable directories**

**green=files**

Level **Directory**

1-2 **drmaize/image\_data**

3 **.../experiment\_id** (e.g. 010SLB)

4 **.../macroimages**

5 **.../raw** (i.e. the raw images off the device, names unchanged)

6 **.../plate\_id** (e.g. p01)

7 **raw\_image\_filename.NEF**

5 **.../renamed** (i.e. macro images named with their respective macroimageID)

6 **.../plate\_id**

7 **renamed\_image\_filename.jpg**

4 **.../microimages**

5 **.../raw** (i.e. the raw images off the device, names unchanged)

6 **.../plate\_id**

7 **.../slide\_id** (e.g. s1)

8 **.../HS**

9 **lightprofile.lsm**(include timestamp [YYMMDDHHMM (military time)])

9 **raw\_filename.lsm**(MUST include timestamp [YYMMDDHHMM (military time)] to separate images from the same slide at different times)

8 **.../MP**

9 **raw\_filename.lsm**(MUST include timestamp [YYMMDDHHMM (military time)] to separate images from the same slide at different times)

10 **.../Amira**

11 **amira\_filename.???**

5 **.../reconstructed** (tiled TIFs renamed under microimage naming conventions)

6 **.../HS**

7 **reconstructed\_filename.ome.tif**

(nomenclature inherited from stitching script; name includes channel-specific info [rf=fungal channel; rp=plant channel])

7 **.../downsampled**

8 **reconstructed\_filenamedN.tif**

(d=down-sampled; N=scale [1/N])

7 **.../MIP** (maximum intensity projection)

8 **reconstructed\_filenameMIP.tif**

**##### FILE NAMING CONVENTIONS**

**## Macroimage renamed filename convention**

experiment, disease, plate, well, underscore, YYMMDDHHMM (military time), image number

e.g. **e014SLBp01wA1\_1411101620i001.jpg**

**## HS light profile convention**

“lightprofile”, underscore, YYMMDDHHMM (military time).lsm

e.g. **lightprofile\_14111111400.lsm**

**## HS filename convention**

experiment, disease, plate, slide, underscore, YYMMDDHHMM (military time), microscope\_inhereted info.lsm

e.g. **e014SLBp01s1\_14111111500\_R1\_GR1\_B1\_L1.lsm**

**## HS Reconstructed filename convention**

experiment, disease, plate, well, mag, underscore, YYMMDDHHMM (military time), channel, reconstructed number.ome.tif

e.g. **e014SLBp01wA1x10\_14111111500rf001.ome.tif**

**## HS down-sampled filename convention**

experiment, disease, plate, well, mag, underscore, timestamp, channel, reconstructed number, dN.tif

e.g. **e014SLBp01wA1x10\_1411111500rf001d8.tif**

**## HS MIP filename convention (produced from ome.tif file)**

experiment, disease, plate, well, mag, underscore, YYMMDDHHMM (military time), channel, reconstructed number, MIP.tif

e.g. **e014SLBp01wA1x10\_1411111500rf001MIP.tif**

**## MP filename convention**

experiment, disease, plate, slide, well, mag, image, underscore, YYMMDDHHMM (military time).lsm

e.g. **e014SLBp01s1wA1x40i01\_14111121350.lsm**