

## TABLES OF DATA

### Strain Report for CL4176

<b>Strain</b>	CL4176
<b>Genotype</b>	smg-1(cc546) I; dvl-27 X.
<b>Contains</b>	<b>Gene:</b> smg-1 <b>Allele:</b> cc546 <b>Transgene:</b> dvl-27
<b>Properties</b>	<b>Species:</b> Caenorhabditis elegans <b>Outcrossed:</b> x3 <b>Received at CGC:</b> 10 May 2007
<b>Location</b>	CGC
<b>Made by</b>	Chris Link
<b>Remark</b>	dvl-27[pAF29(myo-3/A-Beta 1-42/let UTR) + pRF4(rol-6(su1006))]. Temperature sensitive: needs to be propagated at 15C. Upshift to check that the worms get paralyzed. This strain can only be sent to academic users and not to commercial organizations.

Figure 7. CL4176 Report from WormBase

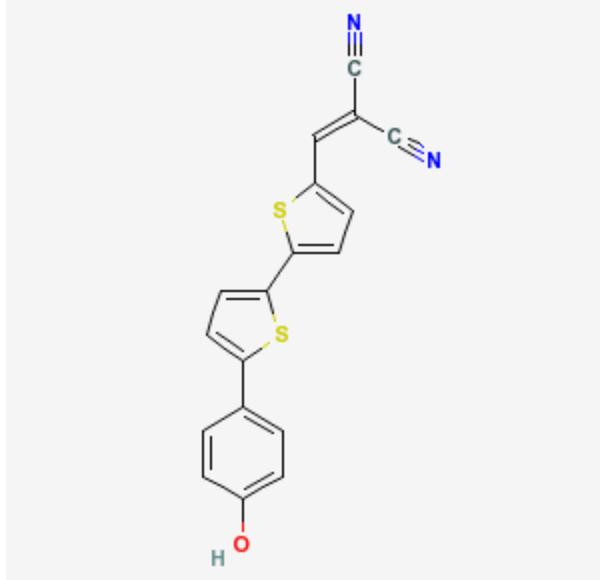
### Strain Report for CL2006

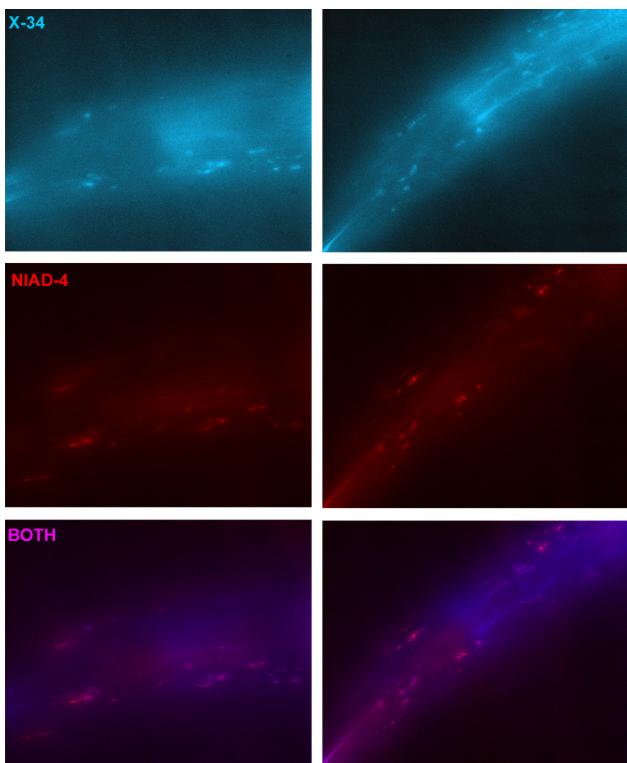
<b>Strain</b>	CL2006
<b>Genotype</b>	dvl-2.
<b>Contains</b>	<b>Transgene:</b> dvl-2
<b>Properties</b>	<b>Species:</b> Caenorhabditis elegans <b>Outcrossed:</b> x3 <b>Received at CGC:</b> 25 Mar 2003
<b>Location</b>	CGC
<b>Remark</b>	dvl-2[pCL12(unc-54/human Abeta peptide 1-42 minigene) + pRF4]. Adult onset paralysis and egg-laying deficiency when raised at 20C. Received new stock from CL 3/2005.
<b>Reference</b>	1995: Link CD: 1995. Expression of human beta-amyloid peptide in transgenic <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences USA <b>92</b> : 9368-9372. <a href="#">PubMed</a>

Figure 8. CL2006 Report from WormBase

**Table 2. NIAD-4 Specifications sent by Nomadics, Inc.**

Specifications	
Formula	C <sub>18</sub> H <sub>10</sub> N <sub>2</sub> OS <sub>2</sub>
Molecular weight	334.42
Appearance	Dark red solid
Purity	> 95%
A-β bound absorption max. (in MeOH)	475 nm
A-β bound emission max. (in MeOH)	625 nm
Ext. Coef. (475 nm)	35700 M <sup>-1</sup> cm <sup>-1</sup>
Quantum Yield (MeOH)	15%
Affinity to Amyloid- $\beta_{1-40}$	K <sub>i</sub> = 10 nM
Storage condition	-20°C in the dark
Shelf life	6 months

**Figure 9. NIAD-4**



**Figure 10.** Sample Image from Dr. Maria Florez-McClure and Dr. Chris Link



**Figure 11.** CL4176 - NF



**Figure 12.** CL4176 - F



Figure 13. 10 $\mu$ M NIAD-4 Wildtype NF



Figure 14. 1 pt DMSO 1 pt 10 $\mu$ M NIAD-4 WT NF



Figure 15. 10 $\mu$ M NIAD-4 Wildtype NF

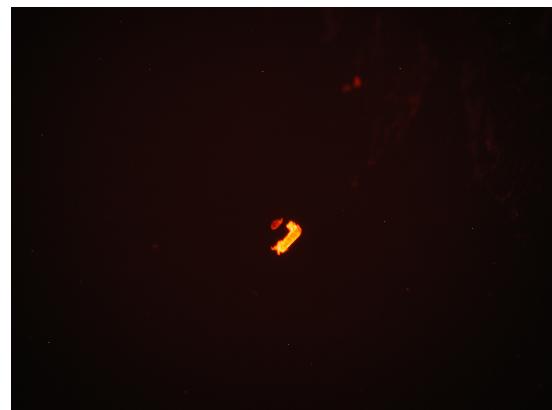


Figure 16. 1 pt DMSO 1 pt 10 $\mu$ M NIAD-4 WT F



Figure 17. Mold

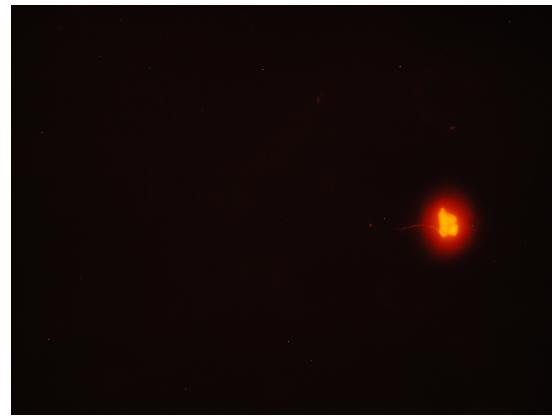
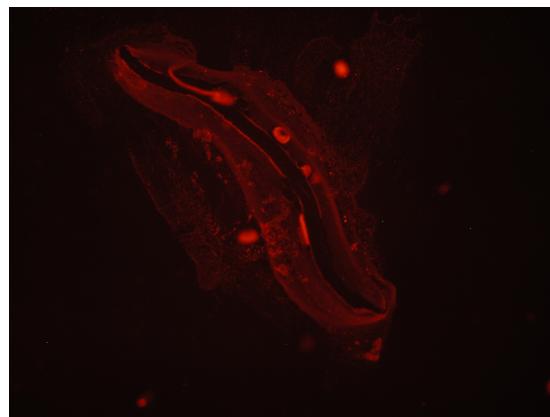


Figure 18. Mold F



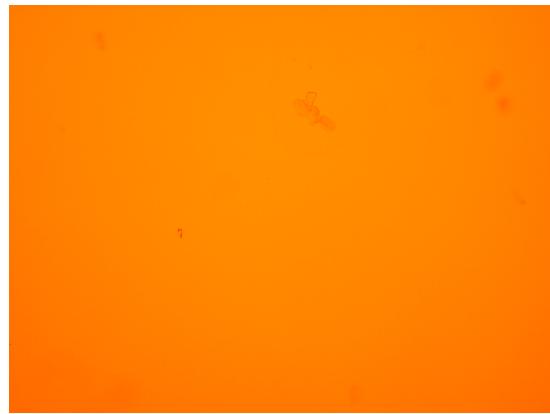
**Figure 19. Mystery Object**



**Figure 22. CL4176 F**



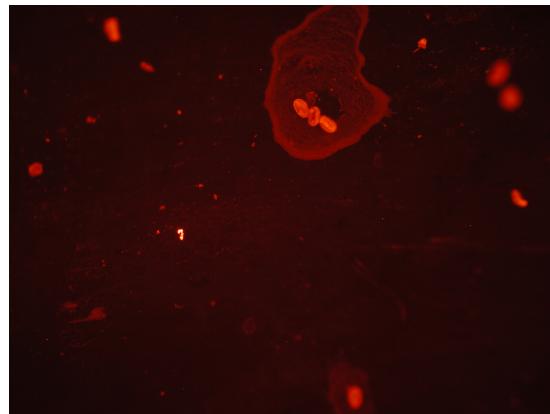
**Figure 20. CL4176**



**Figure 23. Eggs and Mold**



**Figure 21. Mystery Object F**



**Figure 24. Eggs and Mold F**



Figure 25. PBS Crystal

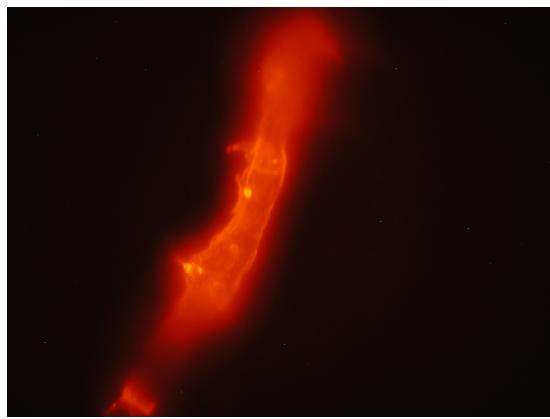


Figure 28. PBS Crystal *C. elegans* Zoom F

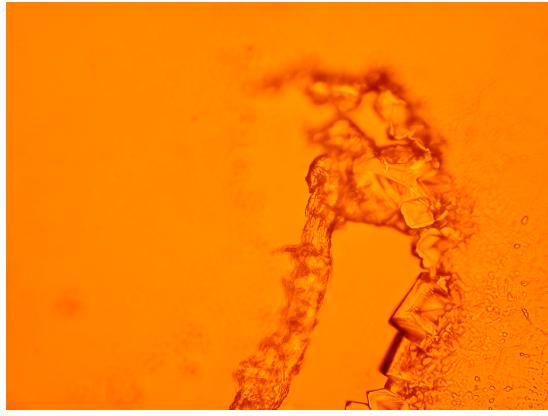


Figure 26. PBS Crystal Zoom



Figure 29. *C. elegans*

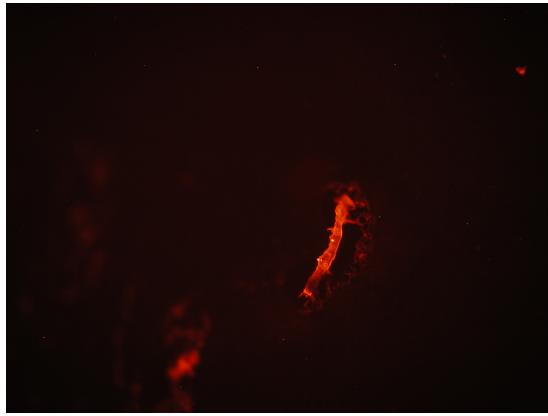


Figure 27. PBS Crystal *C. elegans* F



Figure 30. *C. elegans* and Excess Fluorescence

