

**Additional file 6.** Gel Scanning Parameters used for the Typhoon scanner.

<b>CyDye</b>	<b>Emission filter (nm) /Band Pass</b>	<b>Laser (nm)</b>	<b>Resolution (<math>\mu\text{m}</math>)</b>	<b>PMT<sup>a</sup> (V)</b>
Cy 2	520/40	Blue 488	100	600
Cy 3	580/30	Green 532	100	600
Cy 5	670/30	Red 633	100	600

<sup>a</sup>Photomultiplier tube voltage