# Supplementary File 3

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| --- | --- | --- | --- |
| **l in µm** | **l as % EL** | **Method of detection** | **Reference** |
| 125 | ~ 25 | live detection of the Bcd-eGFP fusion | (Abu-Arish et al., 2010) |
| 100 | ~ 20 | fixed embryos, antibody against the wt Bicoid protein | (Houchmandzadeh et al., 2002) |
| 100 | ~20 | Live detection of Bcd-eGFP | (Gregor et al., 2007b) |
| 100 | 20 | Fixed embryos, antibodies against the wt Bicoid protein at nc13 | (Xu et al., 2015) |
|  | 19,3 | live detection of the Bcd-eGFP fusion | (Liu et al., 2013) (Fig. S4) |
|  | 18,2 | live detection of the Bcd-Venus fusion | (Liu et al., 2013) (Fig. S4) |
|  | 16.4 | fixed embryos, Bcd antibody against Bcd-eGFP | (Liu et al., 2013) (Fig. S4) |
| 89 | ~ 17.8 | Live detection of tandem-fluorescent protein timer fused to Bcd | (Durrieu et al., 2018) (p7) |

# Supplementary File 3. Estimated values of gradient decay length for the Bcd protein and Bcd fluorescently tagged protein gradients from previous studies.

**References**

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