

Table S1 Additional deficiencies tested for *endos*⁰⁰⁰⁰³-interacting genomic regions with reduced fertility phenotype

| Deficiency ^a | Deleted segment ^b | Likely location of interacting gene |
|---------------------------------------|------------------------------|-------------------------------------|
| <i>Df(1)JC70</i>^c | 4C11—5A4 | 4F1—4F4 |
| <i>Df(1)BSC533</i> | 4F4—4F10 | |
| <i>Df(1)Exel6290</i> | 4F7—4F10 | |
| <i>Df(1)ovo41</i> | 4C6—4F1 | |
| <i>Df(2)J2</i>^c | 31B1—32A2 | 31D9—31E1 |
| <i>Df(2L)Exel9032</i> | 31A3—31B1 | |
| <i>Df(2L)BSC144</i> | 31B1—31E5 | |
| <i>Df(2L)ED8142</i> | 31E1—32A4 | |
| <i>Df(2L)BSC32</i> | 32A1—32D1 | |
| <i>Df(2L)BSC342</i> | 31D9—31E5 | |
| <i>Df(2L)J3</i> | 31D1—31F5 | |
| <i>Df(2R)X1</i>^c | 46C2—47A1 | Unknown ^d |
| <i>Df(2R)BSC133</i> | 46B4—46C1 | |
| <i>Df(2R)X3</i> | 46C1—46E2 | |
| <i>Df(2R)12</i> | 46F—47A10 | |
| <i>Df(2R)BSC298</i> | 46B2—46C7 | |
| <i>Df(2R)CX1</i>^c | 49C1—50D5 | Unknown ^d |
| <i>Df(2R)ED2308</i> | 49C3—49E7 | |
| <i>Df(2R)Exel7124</i> | 49F10—50A1 | |
| <i>Df(2R)BSC273</i> | 49F4—50A13 | |
| <i>Df(2R)BSC274</i> | 50A7—50B4 | |
| <i>Df(2R)BSC307</i> | 50B6—50C18 | |
| <i>Df(2R)BSC361</i> | 50C3—50F1 | |
| <i>Df(2R)Exel6062</i> | 49E6—49F1 | |
| <i>Df(2R)Exel8057</i> | 49E6—49F10 | |
| <i>Df(2R)BSC485</i> | 49B10—49E6 | |
| <i>Df(2R)BSC11</i>^c | 50E6—51E4 | 51A2—51A4 |
| <i>Df(2R)BSC357</i> | 50F6—51C1 | |
| <i>Df(2R)L48</i> | 50F6—51B3 | |
| <i>Df(2R)Exel6284</i> | 51B1—51C2 | |
| <i>Df(2R)KnSA3</i> | 51B5—51D1 | |
| <i>Df(2R)Jp1</i> | 51C3—52F9 | |
| <i>Df(2R)Exel8059</i> | 51A4—51B1 | |
| <i>Df(2R)BSC668</i> | 51A2—51C1 | |
| <i>Df(3R)WIN11</i>^c | 83E1—84A5 | 84A5 |

| | | |
|--|------------|-------------|
| <i>Df(3R)Scr</i> ^c | 84A1—84B2 | |
| <i>Df(3R)Dfd13</i> | 83E3—84B1 | |
| <i>Df(3R)BSC467</i> | 83F1—84B2 | |
| <i>Df(3R)BD5</i> | 84A1—84B2 | |
| <i>Df(3R)BSC422</i> | 84A5—84B2 | |
| <i>Df(3R)LIN</i> | 84A5—84B1 | |
| <i>Df(3R)roe</i> | 84A6—84D9 | |
| <i>Df(3R)pb-X2</i> | 84A4—84B2 | |
| <i>Df(3R)by10</i> ^c | 85D8—85E13 | 85D10—85D24 |
| <i>Df(3R)by416</i> | 85D10—85E2 | |
| <i>Df(3R)BSC526</i> | 85E8—85F14 | |
| <i>Df(3R)Exel6264</i> | 85D24—85E5 | |
| <i>Df(3R)BSC528</i> | 85E1 | |
| <i>Df(3R)BSC468</i> | 85E1—85E4 | |
| <i>Df(3R)BSC43</i> ^c | 92F7—93B6 | 92F7—92F13 |
| <i>Df(3R)BSC518</i> | 92E8—92F13 | |
| <i>Df(3R)BSC680</i> | 93A2—93B8 | |
| <i>Df(3R)e-N19</i> | 93B2—94A8 | |
| <i>Df(3R)Exel6185</i> | 92E2—92F1 | |
| <i>Df(3R)23D1</i> ^c | 94A3—94D4 | 94C4 |
| <i>Df(3R)ED6093</i> | 94A2—94C4 | |
| <i>Df(3R)ED6096</i> | 94B5—94E7 | |
| <i>Df(3R)BSC618</i> | 94C4—94E3 | |
| <i>Df(3R)BSC55</i> | 94D2—94E6 | |
| <i>Df(3R)Exel6193</i> | 94D3—94E4 | |
| <i>Df(3R)ED6103</i> | 94D3—94E9 | |

^a Deficiencies in bold-type result in reduced fertility when *in trans* to *endos*⁰⁰⁰⁰³; other deficiencies show no genetic interaction with *endos*⁰⁰⁰⁰³.

^b Deleted genomic region represented according to polytene chromosome divisions (<http://flybase.org>).

^c Deficiencies used in the original deficiency screen for *endos*⁰⁰⁰⁰³ enhancers.

^d Results with multiple deficiencies in the interacting region are inconsistent.