Supplemental material: Details of clinical, molecular and pathologic findings in Beckwith-Wiedemann syndrome cases.

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| **Case** | **Maternal age** | **Sex** | **Molecular****diagnostic** | **GA (weeks)** | **Type of pregnancy** | **Gestational outcome** | **Placentomegaly** | **Placental lesions** |  |
|  |  |  |  |  |  |  |  | **PMD** | **Chorangioma/****chorangiomatosis** | **EVT****cytomegaly** |
| **1** | 27 | F | ICR2 LOM | 23 | S | TOP | yes | yes | yes | yes |
| **2** | 25 | F | ICR2 LOM | 34 | S | LB | yes | no | no | no |
| **3** | 40 | M | ICR2 LOM | 34 | S | LB | yes | no | yes | no |
| **4** | 35 | M | ICR2 LOM | 40 | S | LB | yes | no | no | no |
| **5** | 36 | F | ICR2 LOM | 37 | S | LB | yes | no | no | no |
| **6** | 31 | F | ICR2 LOM | 33 | T | LB | NA | no | yes | no |
| **7** | 25 | F | ICR2 LOM | 30 | S | LB | yes | no | no | yes |
| **8** | 29 | F | ICR2 LOM | 33 | S | LB | yes | yes | no | yes |
| **9** | 27 | M | ICR2 LOM | 34 | S | LB | no | no | yes | no |
| **10** | 26 | F | ICR2 LOM | 33 | S | LB | yes | no | no | no |
| **11** | 30 | M | ICR2 LOM | 18 | S | IUFD | no | no | no | no |
| **12** | 30 | M | ICR2 LOM | 29 | T | LB | NA | no | no | no |
| **13** | 33 | F | ICR2 LOM | 37 | S | LB | yes | no | no | no |
| **14** | 31 | F | ICR2 LOM | 38 | S | LB | yes | yes | no | yes |
| **15** | 33 | M | ICR2 LOM | 40 | S | TOP | no | no | yes | no |
| **16** | 23 | M | ICR2 LOM | 37 | S | LB | yes | no | yes | yes |
| **17** | 19 | F | ICR2 LOM | 34 | S | LB | yes | yes | yes | yes |
| **18** | 33 | F | ICR2 LOM | 24 | S | TOP | no | no | no | no |
| **19** | 24 | M | ICR2 LOM | 38 | S | LB | yes | no | no | yes |
| **20** | 21 | M | ICR2 LOM | 27 | S | TOP | yes | yes | no | no |
| **21** | 29 | F | ICR2 LOM | 40 | S | LB | no | no | no | no |
| **22** | 24 | M | ICR2 LOM | 29 | S | NA | yes | no | no | no |
| **23** | NA | M | ICR2 LOM | 33 | S | LB | no | no | no | no |
| **24** | 32 | F | ICR2 LOM | 24 | S | LB | no | no | yes | no |
| **25** | 41 | F | ICR2 LOM | 24 | S | LB | no | no | no | no |
| **26** | 24 | M | ICR2 LOM | 39 | S | LB | yes | no | yes | yes |
| **27** | 25 | F | ICR2 LOM | 36 | S | LB | yes | no | no | no |
| **28** | 27 | M | ICR2 LOM | 25 | T | LB | NA | no | no | no |
| **29** | 25 | F | ICR2 LOM | 33 | S | LB | yes | no | no | no |
| **30** | 30 | F | ICR2 LOM | 35 | T | LB | NA | no | no | no |
| **31** | 37 | M | ICR2 LOM | 26 | S | TOP | yes | no | no | yes |
| **32** | 42 | M | ICR2 LOM | 33 | S | LB | no | no | no | no |
| **33** | 27 | F | ICR2 LOM | 33 | S | LB | yes | no | no | yes |
| **34** | NA | F | CDKN1C mutation | 16 | S | IUFD | yes | yes | no | yes |
| **35** | NA | M | CDKN1C mutation | 31 | S | LB | yes | no | no | no |
| **36** | 38 | F | CDKN1C mutation | 28 | S | TOP | no | yes | no | no |
| **37** | 26 | F | CDKN1C mutation | 23 | S | TOP | no | no | no | no |
| **38** | 26 | NA | CDKN1C mutation | 17 | S | TOP | no | no | no | no |
| **39** | 27 | M | CDKN1C mutation | 12 | S | TOP | NA | no | no | no |
| **40** | 24 | F | ICR1 GOM | 38 | S | LB | yes | no | no | no |
| **41** | 30 | M | ICR1 GOM | 32 | S | TOP | yes | no | no | no |
| **42** | NA | F | ICR1 GOM | 30 | S | TOP | no | no | no | no |
| **43** | NA | M | ICR1 GOM | 29 | S | TOP | yes | no | no | no |
| **44** | NA | F | ICR1 GOM | 38 | S | LB | yes | no | no | no |
| **45** | 31 | M | ICR1 GOM | 37 | S | LB | yes | no | yes | no |
| **46** | 27 | F | 11p15 pUPD | 36 | S | LB | yes | yes | yes | no |
| **47** | 28 | F | 11p15 pUPD | 28 | S | LB | yes | yes | yes | no |
| **48** | 32 | F | 11p15 pUPD | 37 | S | LB | no | no | no | no |
| **49** | 34 | F | 11p15 pUPD | 22 | S | IUFD | yes | no | no | no |
| **50** | 31 | F | 11p15 pUPD | 36 | S | LB | yes | no | no | no |
| **51** | NA | M | 11p15 pUPD | 37 | S | TOP | no | no | no | no |
| **52** | 33 | F | 11p15 pUPD | 27 | S | IUFD | yes | yes | yes | no |
| **53** | 26 | M | 11p15 pUPD | 38 | S | LB | yes | no | no | no |
| **54** | 26 | M | 46,XY,inv(11)(p15q13)mat | 16 | S | TOP | yes | yes | no | no |
| **55** | 27 | F | 46,XX,inv(11)(p15q13)mat | 31 | S | LB | yes | no | yes | yes |
| **56** | 41 | M | 46,XY,dup(11)(p15.5p15.4) | 30 | S | LB | yes | no | no | no |
| **57** | 31 | M | 46,XY,der(5)t(5;11)(p15.3;p12)pat | 29 | S | TOP | yes | no | no | no |
| **58** | 19 | F | 46,XX,der(18)t(11;18)(p11.2;p11.32)dn | 28 | S | TOP | yes | no | no | no |
| **59** | 30 | M | 46,XY,del(11)(p14.p15.5)mat | 24 | S | TOP | no | yes | no | yes |
| **60** | 28 | M | 46,XY,inv(11)(p15q13)mat | 15 | S | TOP | yes | yes | no | no |

F: female; M: male; ICR2 LOM: Imprinting Center Region 2 loss of methylation; ICR1 GOM: Imprinting Center Region 1 gain of methylation; pUPD: paternal uniparental disomy; GA: gestational age; S: singleton; T: twin; LB: live birth; TOP: termination of pregnancy; IUFD: intrauterine foetal death; PMD: placental mesenchymal dysplasia; EVT: extravillous trophoblastic; NA: not available.