Appendix 2: Specifications of difficulties during pregnancy and perinatal emergency in total cohort, children diagnose with Developmental Language Delay (DLD) were genetic analyses was performed.

| Difficulties during pregnancy* | Children with Developmental Language Delay |
|-------------------------------|-------------------------------------------|
|                               | N= 127, %                                 |
| Cardiovascular                | N= 37                                     |
| Respiratory                   | 7 (18.9)                                  |
| Endocrine                     | 1 (2.7)                                   |
| Infection                     | 10 (27.0)                                 |
| Urogenital                    | 3 (8.1)                                   |
| Pregnancy/childbirth          | 1 (2.7)                                   |
| Musculoskeletal               | 8 (21.6)                                  |
| Neurologic                    | 1 (2.7)                                   |
| Multiple                      | 5 (13.5)                                  |

| Perinatal emergency *         | N= 11                                     |
|-------------------------------|-------------------------------------------|
| Cardial                       | 3 (27.3)                                  |
| Respiratory                   | 5 (45.5)                                  |
| Cardial and respiratory       | 3 (27.3)                                  |

Abbreviations: n= number

* Five mothers suffered from pre-eclampsia

Respiratory problems directly after birth scored as perinatal emergency were mostly due to a wrapped umbilical cord (3 patients). Idiopathic respiratory distress syndrome (IRDS) was reported in only one patient. Only one patient suffered from cardiac problems.