**پانل Ciliopathies**

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| **ردیف** | **نام بیماری** | **تعداد ژن** | **ژن های مورد بررسی** |
| 1 | Primary Ciliary Dyskinesia | 34 | ARMC4, C21ORF59, CCDC103, CCDC114, CCDC151, CCDC39, CCDC40, CCDC65, CCNO, CENPF, DNAAF1, DNAAF2, DNAAF3, DNAH11, DNAH5, DNAH8, DNAI1, DNAI2, DNAL1, DRC1, DYX1C1, GAS8, HEATR2, HYDIN, LRRC6, NME8, OFD1, RPGR, RSPH1, RSPH3, RSPH4A, RSPH9, SPAG1, ZMYND10 |
| 2 | Joubert Syndrome | 28 | AHI1, ARL13B, B9D1, C5orf42, CC2D2A, CEP104, CEP164, CEP290, CEP41, CSPP1, INPP5E, KIAA0556, KIAA0586, KIF7, NPHP1, OFD1, PDE6D, RPGRIP1L, TCTN1, TCTN2, TCTN3, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TTC21B, ZNF423 |
| 3 | Bardet- Biedl Syndrome | 24 | ALMS1, ARL6, BBIP1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, CCDC28B, CEP290, IFT172, IFT27, LZTFL1, MKKS, MKS1, NPHP1, SDCCAG8, TRIM32, TTC21B, TTC8, WDPCP |
| 4 | Senior Loken Syndrome | 12 | CEP164, CEP290, IFT81, INVS, IQCB1, NPHP1, NPHP3, NPHP4, SDCCAG8, TRAF3IP1, WDR19, ZNF423 |
| 5 | Complete Panel- Ciliopathies | 79 | ARMC4, AHI1, ALMS1, ARL13B, ARL6, BBIP1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, C21orf59, C5orf42, CC2D2A, CCDC103, CCDC114, CCDC151, CCDC28B, CCDC39, CCDC40, CCDC65, CCNO, CEP164, CEP290, CEP41, CSPP1, DNAAF1, DNAAF2, DNAAF3, DNAH11, DNAH5, DNAI1, DNAI2, DNAL1, DRC1, DYX1C1, HEATR2, HYDIN, IFT172, IFT27, INPP5E, INVS, IQCB1, KIF7, LRRC6, LZTFL1, MKKS, MKS1, NME8, NPHP1, NPHP3, NPHP4, OFD1, PDE6D, RPGR, RPGRIP1L, RSPH1, RSPH4A, RSPH9, SDCCAG8, SPAG1, TCTN1, TCTN2, TCTN3, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TRIM32, TTC21B, TTC8, WDPCP, ZMYND10, ZNF423 |