**پانل RASophathies**

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| **نام بیماری** | **تعداد ژن** | **ژن های مورد بررسی** |
| RASopathies | 23 | Noonan Syndrome, Noonan-like Syndrome, Costello Syndrome, Cardiofaciocutaneous Syndrome (CFC Syndrome), Legius Syndrome, LEOPARD Syndrome, Neurofibromatosis type 1, Megalencephaly-Capillary Malformation-Polymicrogyria Syndrome (MCAP), Capillary Malformation- Arteriovenous Malformation (CMAVM), Microcephaly-Capillary Malformation Syndrome (MICCAP), Megalencephaly-Polymicrogyria-Polydactyly-Hydrocephalus Syndrome (MPPH)  A2ML1, AKT3, BRAF, CBL, CCND2, HRAS, KRAS, MAP2K1, MAP2K2, NF1, NRAS, PIK3CA, PIK3R2, PTPN11, RAF1, RASA1, RASA2, RIT1, RRAS, SHOC2, SOS1, SPRED1, STAMBP |