

**Tabella 1: ColonScreen® - Elenco dei geni analizzati e delle patologie neoplastiche investigate**

	DISEASE NAME	PhenoMIM	GENE
1	Adenomatous polyposis coli (Colorectal, duodenal, liver, thyroid, pancreatic, CNS)	<a href="#">175100</a>	<b>APC</b>
2	Polyposis syndrome (Colorectal, stomach, pancreatic)	<a href="#">174900</a> <a href="#">610069</a>	<b>BMPRIA</b>
3	Colorectal cancer, hereditary nonpolyposis, type 8 Colorectal, uterine, stomach, ovarian, small bowel, hepatobiliary, urinary tract, brain, pancreatic, sebaceous	<a href="#">613244</a>	<b>EPCAM</b>
4	Colorectal cancer, hereditary nonpolyposis, type 2 Colorectal, uterine, stomach, ovarian, small bowel, hepatobiliary, urinary tract, brain, pancreatic, sebaceous	<a href="#">609310</a>	<b>MLH1</b>
5	Colorectal cancer, hereditary nonpolyposis, type 1 Colorectal, uterine, stomach, ovarian, small bowel, hepatobiliary, urinary tract, brain, pancreatic, sebaceous	<a href="#">120435</a>	<b>MSH2</b>
6	Colorectal cancer, hereditary nonpolyposis, type 5 Endometrial cancer, familial Colorectal, uterine, stomach, ovarian, small bowel, hepatobiliary, urinary tract, brain, pancreatic, sebaceous	<a href="#">614350</a> <a href="#">608089</a>	<b>MSH6</b>
7	Adenomas, multiple colorectal Colorectal adenomatous polyposis, autosomal recessive, with pilomatricomas Gastric cancer, somatic Breast, colorectal	<a href="#">608456</a> <a href="#">132600</a> <a href="#">613659</a>	<b>MUTYH</b>
8	Mismatch repair cancer syndrome	<a href="#">276300</a>	<b>PMS1</b>
9	Colorectal cancer, hereditary nonpolyposis, type 4 Colorectal, uterine, stomach, ovarian, small bowel, hepatobiliary, urinary tract, brain, pancreatic, sebaceous	<a href="#">614337</a>	<b>PMS2</b>
10	Endometrial carcinoma, somatic Malignant melanoma, somatic Squamous cell carcinoma, head and neck, somatic Thyroid carcinoma, follicular, somatic Glioma susceptibility 2 Meningioma Prostate cancer, somatic Breast, uterine, kidney, thyroid, colorectal	<a href="#">608089</a> <a href="#">155600</a> <a href="#">275355</a> <a href="#">188470</a> <a href="#">613028</a> <a href="#">607174</a> <a href="#">176807</a>	<b>PTEN</b>
11	Juvenile polyposis/hereditary hemorrhagic telangiectasia syndrome Pancreatic cancer, somatic Polyposis, juvenile intestinal	<a href="#">175050</a> <a href="#">260350</a> <a href="#">174900</a>	<b>SMAD4</b>
12	Peutz-Jeghers syndrome Pancreatic cancer Testicular tumor, somatic Small bowel, colorectal, pancreatic, breast, ovarian	<a href="#">175200</a> <a href="#">260350</a> <a href="#">273300</a>	<b>STK11</b>