

**Table S1. GWAS data sources.**

<b>Disease/trait</b>	<b>Domain</b>	<b>Source</b>	<b>Cases (n)</b>	<b>Controls (n)</b>	<b>Total (n)</b>
LAM	Respiratory	<a href="https://doi.org/10.1183/13993003.00329-2019">https://doi.org/10.1183/13993003.00329-2019</a>	426	852	1278
PEF	Respiratory	<a href="https://doi.org/10.1038/s41588-018-0321-7">https://doi.org/10.1038/s41588-018-0321-7</a>	NA	NA	400102
FEV1	Respiratory	<a href="https://doi.org/10.1038/s41588-018-0321-7">https://doi.org/10.1038/s41588-018-0321-7</a>	NA	NA	400102
FVC	Respiratory	<a href="https://doi.org/10.1038/s41588-018-0321-7">https://doi.org/10.1038/s41588-018-0321-7</a>	NA	NA	400102
FEV1/FVC	Respiratory	<a href="https://doi.org/10.1038/s41588-018-0321-7">https://doi.org/10.1038/s41588-018-0321-7</a>	NA	NA	400102
Bladder cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	2242	410350	412592
Breast cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	17881	410350	428231
Cervix cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	6563	410350	416913
Colon cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	3793	410350	414143
Endometrium cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	2037	410350	412387
Esophagus/Stomach cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	1091	410350	411441
Kidney cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	1338	410350	411688
Lymphocytic Leukemia	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	852	410350	411202
Lung cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	2485	410350	412835
Melanoma	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	6777	410350	417127
Non-Hodgkin's Lymphoma	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	2400	410350	412750
Oral Cavity/Pharynx cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	1223	410350	411573
Ovary cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	1259	410350	411609
Pancreas cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	663	410350	411013
Prostate cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	10792	410350	421142
Rectum cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	2091	410350	412441
Thyroid cancer	Neoplasms	<a href="https://doi.org/10.1038/s41467-020-18246-6">https://doi.org/10.1038/s41467-020-18246-6</a>	762	410350	411112