

	all genes 719/3,190 2.1%	predicted Ab tractable 588/17,811 3.3%	predicted SM tractable 614/12,391 5%	rhodopsin- like GPCRs 46/508 9.1%	nuclear receptors 22/245 9%	enzymes 116/2,278 5.1%	ion channels 33/714 4.6%	kinases 135/1,134 12%
all areas								
hematology	42/4,794 0.88%	35/2,409 1.5%	37/1,698 2.2%	2/87 2.3%	0/30 0%	8/276 2.9%	0/58 0%	4/156 2.6%
metabolic	116/6,819 1.7%	94/3,594 2.6%	95/2,487 3.8%	8/90 8.9%	10/51 20%	14/471 3%	2/98 2%	3/185 1.6%
respiratory	24/884 2.7%	23/480 4.8%	12/318 3.8%	2/9 22%	0/5 0%	2/51 3.9%	1/26 3.8%	0/13 0%
endocrine	35/2,676 1.3%	31/1,327 2.3%	31/922 3.4%	7/53 13%	2/32 6.2%	1/187 0.53%	2/53 3.8%	3/80 3.8%
infection	3/234 1.3%	3/138 2.2%	1/88 1.1%	0/4 0%	0/2 0%	0/13 0%	0/7 0%	0/2 0%
congenital	87/4,488 1.9%	65/2,444 2.7%	63/1,697 3.7%	2/46 4.3%	2/28 7.1%	15/296 5.1%	1/103 0.97%	2/114 1.8%
neurology	81/3,481 2.3%	70/1,911 3.7%	65/1,212 5.4%	8/53 15%	0/13 0%	10/198 5.1%	14/133 11%	3/86 3.5%
cardiovascular	39/2,681 1.5%	37/1,436 2.6%	36/952 3.8%	3/43 7%	1/17 5.9%	10/212 4.7%	10/97 10%	1/90 1.1%
oncology	295/4,304 6.9%	227/2,088 11%	277/1,975 14%	6/37 16%	4/25 16%	62/419 15%	0/56 0%	109/250 44%
digestive	38/2,309 1.6%	30/1,252 2.4%	26/802 3.2%	3/47 6.4%	3/21 14%	6/129 4.7%	1/24 4.2%	4/71 5.6%
psychiatry	40/2,382 1.7%	38/1,300 2.9%	39/786 5%	14/53 26%	0/18 0%	4/131 3.1%	6/84 7.1%	0/74 0%
immune	66/2,406 2.7%	59/1,301 4.5%	37/855 4.3%	4/40 10%	0/7 0%	10/125 8%	0/26 0%	5/79 6.3%
signs/symptoms	47/3,629 1.3%	41/1,897 2.2%	41/1,200 3.4%	7/70 10%	4/30 13%	4/206 1.9%	12/124 9.7%	3/107 2.8%
dermatology	49/2,217 2.2%	43/1,183 3.6%	32/731 4.4%	2/24 8.3%	0/6 0%	7/131 5.3%	0/28 0%	6/71 8.5%
ophthalmology	23/2,044 1.1%	18/1,153 1.6%	15/626 2.4%	1/19 5.3%	1/18 5.6%	3/108 2.8%	2/54 3.7%	0/61 0%
musculoskeletal	30/1,620 1.9%	27/887 3%	22/539 4.1%	1/15 6.7%	2/6 33%	2/91 2.2%	1/31 3.2%	4/54 7.4%
other	7/1,513 0.46%	6/761 0.79%	5/487 1%	0/24 0%	1/11 9.1%	0/93 0%	0/35 0%	1/41 2.4%

