

a	all genes		predicted		rhodopsin- like GPCRs		nuclear		ion	
	all areas	478/34,190	Ab tractable	SM tractable			receptors	enzymes	channels	kinases
		1.4%	2.2%	3.2%	24/508	16/245	71/2,278	21/714	67/1,134	
					4.7%	6.5%	3.1%	2.9%	5.9%	
respiratory	21/884		20/480	11/318	2/9	0/5	1/51	1/26	0/13	
	2.4%		4.2%	3.5%	22%	0%	2%	3.8%	0%	
metabolic	92/6,819		76/3,594	75/2,487	5/90	6/51	10/471	1/98	3/185	
	1.3%		2.1%	3%	5.6%	12%	2.1%	1%	1.6%	
hematology	29/4,794		26/2,409	24/1,698	0/87	0/30	6/276	0/58	1/156	
	0.6%		1.1%	1.4%	0%	0%	2.2%	0%	0.64%	
cardiovascular	28/2,681		28/1,436	25/952	1/43	0/17	9/212	6/97	0/90	
	1%		1.9%	2.6%	2.3%	0%	4.2%	6.2%	0%	
oncology	168/4,304		130/2,088	158/1,975	5/37	4/25	33/419	0/56	52/250	
	3.9%		6.2%	8%	14%	16%	7.9%	0%	21%	
congenital	75/4,488		58/2,444	54/1,697	1/46	1/28	13/296	1/103	2/114	
	1.7%		2.4%	3.2%	2.2%	3.6%	4.4%	0.97%	1.8%	
infection	3/234		3/138	1/88	0/4	0/2	0/13	0/7	0/2	
	1.3%		2.2%	1.1%	0%	0%	0%	0%	0%	
endocrine	27/2,676		23/1,327	24/922	5/53	2/32	1/187	1/53	2/80	
	1%		1.7%	2.6%	9.4%	6.2%	0.53%	1.9%	2.5%	
signs/symptoms	31/3,629		27/1,897	27/1,200	3/70	2/30	3/206	8/124	3/107	
	0.85%		1.4%	2.2%	4.3%	6.7%	1.5%	6.5%	2.8%	
immune	50/2,406		46/1,301	26/855	2/40	0/7	7/125	0/26	2/79	
	2.1%		3.5%	3%	5%	0%	5.6%	0%	2.5%	
digestive	24/2,309		18/1,252	14/802	0/47	2/21	2/129	1/24	2/71	
	1%		1.4%	1.7%	0%	9.5%	1.6%	4.2%	2.8%	
neurology	60/3,481		51/1,911	45/1,212	2/53	0/13	8/198	9/133	2/86	
	1.7%		2.7%	3.7%	3.8%	0%	4%	6.8%	2.3%	
psychiatry	23/2,382		21/1,300	22/786	5/53	0/18	3/131	4/84	0/74	
	0.97%		1.6%	2.8%	9.4%	0%	2.3%	4.8%	0%	
musculoskeletal	23/1,620		22/887	17/539	1/15	1/6	1/91	1/31	3/54	
	1.4%		2.5%	3.2%	6.7%	17%	1.1%	3.2%	5.6%	
dermatology	36/2,217		31/1,183	23/731	2/24	0/6	6/131	0/28	3/71	
	1.6%		2.6%	3.1%	8.3%	0%	4.6%	0%	4.2%	
ophthalmology	21/2,044		16/1,153	13/626	1/19	1/18	2/108	2/54	0/61	
	1%		1.4%	2.1%	5.3%	5.6%	1.9%	3.7%	0%	
other	5/1,513		4/761	3/487	0/24	1/11	0/93	0/35	0/41	
	0.33%		0.53%	0.62%	0%	9.1%	0%	0%	0%	

