

**Extended Data Table 3| The quantity of potential AMPs identified among GNRSPDs.**

GNRSPDs	Total	g_AMPs	g_AMPs_nontox
Prefix-A	771	449 (58.2%)	369 (47.9%)
Prefix-F	791	602 (76.1%)	531 (67.1%)
Prefix-G	790	675 (85.4%)	443 (56.1%)
Prefix-I	779	568 (72.9%)	526 (67.5%)
Prefix-K	787	678 (86.1%)	528 (67.1%)
Prefix-L	762	575 (75.5%)	514 (67.5%)
Prefix-R	760	631 (83.0%)	529 (69.6%)
Prefix-S	792	658 (83.1%)	367 (46.3%)
Prefix-V	790	457 (57.8%)	401 (50.8%)
Prefix-W	776	645 (83.1%)	528 (68.0%)
Total	7,798	5,938 (76.1%)	4,736 (60.7%)