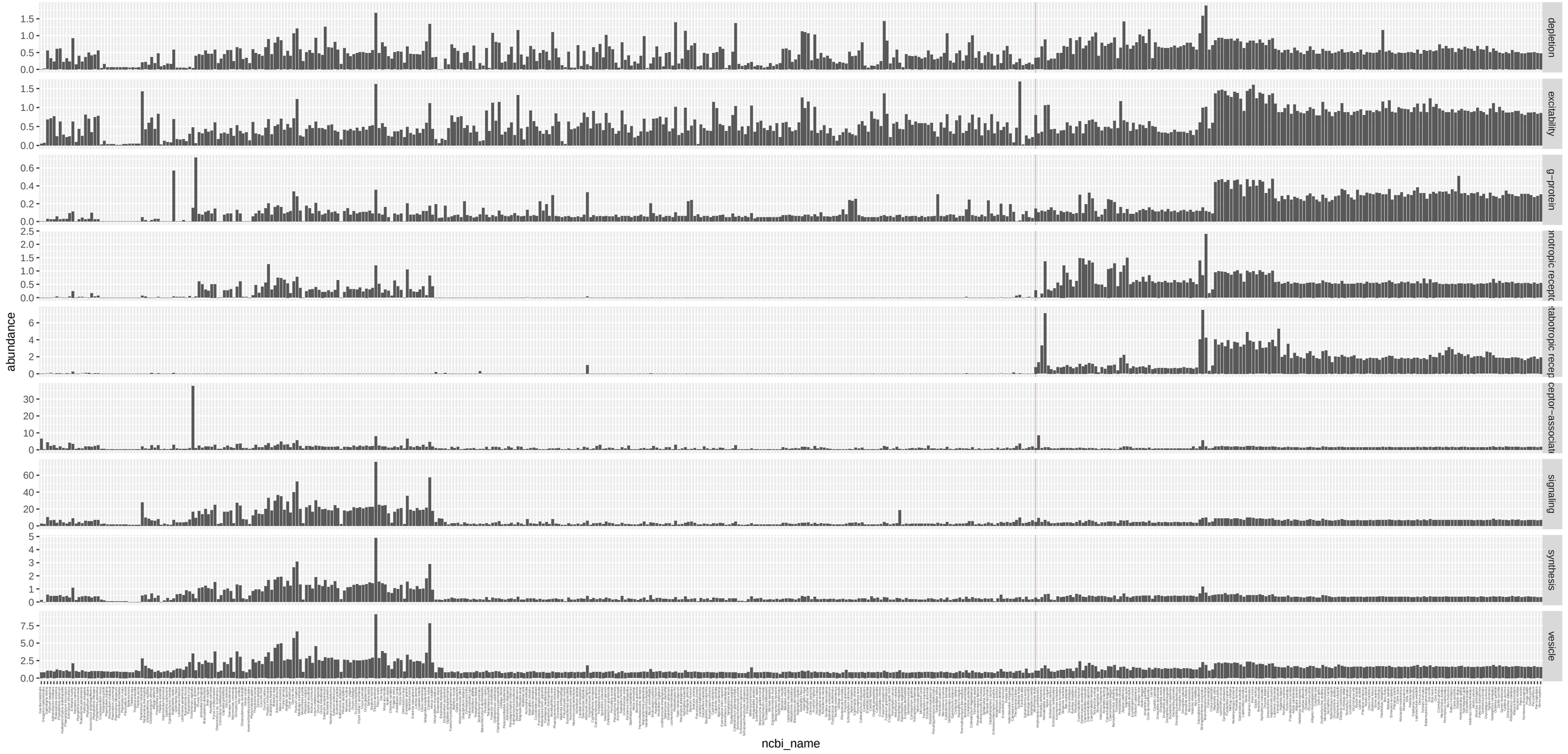numero de proteinas por funcao dividido pelo numero de cogs na especie