

Table 1. Acetyl and glycosyl transferase corresponding gene and Pfam domain

CPS Location	Gene	Pfam domain	Production
SPC35F_0014	wciG	PF01757.25	Acetyl transferanse
SPC33C_0017	wcyO	PF01757.25	Acetyl transferanse
SPC34_0016	wcyO	PF01757.25	Acetyl transferanse
SPC47F_0015	wciG	PF01757.25	Acetyl transferanse
SPC47F_0017	wcjE	PF01757.25	Acetyl transferanse
SPC35B_0016	wciG	PF01757.25	Acetyl transferanse
SPC11F_0011	wcwC	PF08942.13	Acetyl transferanse
SPC11F_0014	wcwT	PF00132.27	Acetyl transferanse
SPC33F_0016	wciG	PF01757.25	Acetyl transferanse
SPC33F_0018	wcjE	PF01757.25	Acetyl transferanse
SPC11B_0012	wcwR	PF14602.9	Acetyl transferanse
SPC11B_0015	wcwT	PF00132.27	Acetyl transferanse
SPC11D_0011	wcwC	PF08942.13	Acetyl transferanse
SPC11D_0014	wcwT	PF00132.27	Acetyl transferanse
SPC11D_0018	wcjE	PF01757.25	Acetyl transferanse
SPC47A_0018	wcjE	PF01757.25	Acetyl transferanse
SPC33D_0017	wciG	PF01757.25	Acetyl transferanse
SPC13_0018	wciG	PF01757.25	Acetyl transferanse
SPC39_0019	wcyO	PF01757.25	Acetyl transferanse
SPC11A_0011	wcwC	PF08942.13	Acetyl transferanse
SPC11A_0014	wcwT	PF00132.27	Acetyl transferanse
SPC11A_0018	wcjE	PF01757.25	Acetyl transferanse
SPC10C_0016	wciG	PF01757.25	Acetyl transferanse
SPC33A_0016	wciG	PF01757.25	Acetyl transferanse
SPC33A_0018	wcjE	PF01757.25	Acetyl transferanse
SPC10F_0016	wciG	PF01757.25	Acetyl transferanse
SPC11C_0012	wcwR	PF14602.9	Acetyl transferanse
SPC11C_0015	wcwT	PF00132.27	Acetyl transferanse
SPC15B_0016	wciZ	PF01757.25	Acetyl transferanse
SPC33B_0017	wciG	PF01757.25	Acetyl transferanse
SPC42_0018	wciG	PF01757.25	Acetyl transferanse
SPC42_0020	wcjE	PF01757.25	Acetyl transferanse
SPC35C_0018	wciG	PF01757.25	Acetyl transferanse
SPC35C_0020	wcjE	PF01757.25	Acetyl transferanse
SPC20_0017	wciG	PF01757.25	Acetyl transferanse
SPC20_0019	wcjE	PF01757.25	Acetyl transferanse
SPC09A_0016	wcjD	NPH	Acetyl transferanse
SPC09A_0019	wcjE	PF01757.25	Acetyl transferanse
SPC09V_0015	wcjD	NPH	Acetyl transferanse
SPC09V_0018	wcjE	PF01757.25	Acetyl transferanse
SPC35A_0018	wciG	PF01757.25	Acetyl transferanse
SPC35A_0020	wcjE	PF01757.25	Acetyl transferanse
SPC16F_0011	wcxM	PF00132.27	Acetyl transferanse
SPC16A_0019	wciG	PF01757.25	Acetyl transferanse
SPC18B_0015	wciX	PF01757.25	Acetyl transferanse
SPC18C_0015	wciX	PF01757.25	Acetyl transferanse
SPC28F_0011	wcxM	PF00132.27	Acetyl transferanse
SPC43_0017	wcyO	PF01757.25	Acetyl transferanse
SPC43_0021	wcjE	PF01757.25	Acetyl transferanse
SPC31_0023	wcjE	PF01757.25	Acetyl transferanse
SPC15F_0016	wciZ	PF01757.25	Acetyl transferanse
SPC15F_0024	wcjE	PF01757.25	Acetyl transferanse
SPC22A_0011	wcwC	PF08942.13	Acetyl transferanse
SPC22F_0011	wcwC	PF08942.13	Acetyl transferanse
SPC18F_0011	wcxM	PF00132.27	Acetyl transferanse
SPC18F_0016	wciX	PF01757.25	Acetyl transferanse

SPC17F_0014	wcrU	PF00132.27	Acetyl transferanse
SPC28A_0011	wcxM	PF00132.27	Acetyl transferanse
SPC17A_0013	wcrU	PF14602.9	Acetyl transferanse
SPC07A_0011	wcwC	PF08942.13	Acetyl transferanse
SPC07F_0011	wcwC	PF08942.13	Acetyl transferanse
SPC32F_0012	wcyH	PF01757.25	Acetyl transferanse
SPC32A_0012	wcyH	PF01757.25	Acetyl transferanse
SPC21_0022	wcyO	PF01757.25	Acetyl transferanse
SPC08_0009	wciQ	PF08660.14	Glycosyl transferanse
SPC08_0010	wciR	PF04101.19	Glycosyl transferanse
SPC08_0011	wciS	PF00534.23	Glycosyl transferanse
SPC08_0013	wciT	PF04488.18	Glycosyl transferanse
SPC29_0009	wciB	PF14393.9	Glycosyl transferanse
SPC29_0012	wcrM	PF00535.29	Glycosyl transferanse
SPC29_0013	wcrH	NPH	Glycosyl transferanse
SPC35F_0008	wciB	PF14393.9	Glycosyl transferanse
SPC35F_0011	wcrC	PF00534.23	Glycosyl transferanse
SPC35F_0012	wcrD	PF00535.29	Glycosyl transferanse
SPC33C_0009	wciN	PF01501.23	Glycosyl transferanse
SPC33C_0011	wcrC	PF00534.23	Glycosyl transferanse
SPC33C_0012	wcrD	PF00535.29	Glycosyl transferanse
SPC33C_0013	wciF	PF00535.29	Glycosyl transferanse
SPC34_0009	wciB	PF14393.9	Glycosyl transferanse
SPC34_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC34_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC47F_0009	wciB	PF14393.9	Glycosyl transferanse
SPC47F_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC47F_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC35B_0009	wciB	PF14393.9	Glycosyl transferanse
SPC35B_0012	wcrM	PF00535.29	Glycosyl transferanse
SPC35B_0013	wcrH	NPH	Glycosyl transferanse
SPC11F_0009	wchK	PF04101.19	Glycosyl transferanse
SPC11F_0010	wcyK	PF00534.23	Glycosyl transferanse
SPC11F_0012	wcrL	PF04488.18	Glycosyl transferanse
SPC33F_0009	wciB	PF14393.9	Glycosyl transferanse
SPC33F_0011	wciD	PF00535.29	Glycosyl transferanse
SPC33F_0012	wciE	PF05704.15	Glycosyl transferanse
SPC33F_0013	wciF	PF00535.29	Glycosyl transferanse
SPC10B_0009	wciB	PF14393.9	Glycosyl transferanse
SPC10B_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC10B_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC10B_0014	wciF	PF00535.29	Glycosyl transferanse
SPC10B_0015	wcrG	PF02485.24	Glycosyl transferanse
SPC11B_0010	wchK	PF04101.19	Glycosyl transferanse
SPC11B_0011	wcyK	PF00534.23	Glycosyl transferanse
SPC11B_0013	wcrL	PF04488.18	Glycosyl transferanse
SPC11D_0009	wchK	PF04101.19	Glycosyl transferanse
SPC11D_0010	wcyK	PF00534.23	Glycosyl transferanse
SPC11D_0012	wcrL	PF04488.18	Glycosyl transferanse
SPC47A_0009	wciB	PF14393.9	Glycosyl transferanse
SPC47A_0011	wcrC	PF00534.23	Glycosyl transferanse
SPC47A_0012	wcyM	PF00534.23	Glycosyl transferanse
SPC47A_0014	wcyN	PF00535.29	Glycosyl transferanse
SPC47A_0015	whaM	PF00535.29	Glycosyl transferanse
SPC10A_0009	wciB	PF14393.9	Glycosyl transferanse
SPC10A_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC10A_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC10A_0014	wciF	PF00535.29	Glycosyl transferanse

SPC10A_0015	wcrG	PF02485.24	Glycosyl transferanse
SPC06B_0009	wciN	PF01501.23	Glycosyl transferanse
SPC06B_0012	wciP	PF00535.29	Glycosyl transferanse
SPC33D_0009	wciN	PF01501.23	Glycosyl transferanse
SPC33D_0011	wcrC	PF00534.23	Glycosyl transferanse
SPC33D_0012	wciD	PF00535.29	Glycosyl transferanse
SPC33D_0013	wciE	PF05704.15	Glycosyl transferanse
SPC33D_0014	wciF	PF00535.29	Glycosyl transferanse
SPC06A_0009	wciN	PF01501.23	Glycosyl transferanse
SPC06A_0012	wciP	PF00535.29	Glycosyl transferanse
SPC09L_0009	wcjA	PF00534.23	Glycosyl transferanse
SPC09L_0012	wcjB	NPH	Glycosyl transferanse
SPC09L_0014	wcjC	PF00534.23	Glycosyl transferanse
SPC09N_0009	wcjA	PF00534.23	Glycosyl transferanse
SPC09N_0012	wcjB	NPH	Glycosyl transferanse
SPC09N_0014	wcjC	PF00534.23	Glycosyl transferanse
SPC13_0010	wchK	PF04101.19	Glycosyl transferanse
SPC13_0014	wciF	PF00535.29	Glycosyl transferanse
SPC13_0015	wcrD	PF00535.29	Glycosyl transferanse
SPC37_0009	wciB	PF14393.9	Glycosyl transferanse
SPC37_0011	wciD	PF00535.29	Glycosyl transferanse
SPC37_0012	wciE	PF05704.15	Glycosyl transferanse
SPC37_0013	wciF	PF00535.29	Glycosyl transferanse
SPC39_0009	wciB	PF14393.9	Glycosyl transferanse
SPC39_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC39_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC39_0014	wciF	PF00535.29	Glycosyl transferanse
SPC39_0016	wcrG	PF02485.24	Glycosyl transferanse
SPC11A_0009	wchK	PF04101.19	Glycosyl transferanse
SPC11A_0010	wcyK	PF00534.23	Glycosyl transferanse
SPC11A_0012	wcrL	PF04488.18	Glycosyl transferanse
SPC10C_0009	wciB	PF14393.9	Glycosyl transferanse
SPC10C_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC10C_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC10C_0014	wciF	PF00535.29	Glycosyl transferanse
SPC10C_0018	wcrH	NPH	Glycosyl transferanse
SPC33A_0009	wciB	PF14393.9	Glycosyl transferanse
SPC33A_0011	wciD	PF00535.29	Glycosyl transferanse
SPC33A_0012	wciE	PF05704.15	Glycosyl transferanse
SPC33A_0013	wciF	PF00535.29	Glycosyl transferanse
SPC15A_0010	wchK	PF04101.19	Glycosyl transferanse
SPC15A_0012	wchL	PF00535.29	Glycosyl transferanse
SPC15A_0013	wchM	PF00535.29	Glycosyl transferanse
SPC15A_0014	wchN	PF05704.15	Glycosyl transferanse
SPC10F_0009	wciB	PF14393.9	Glycosyl transferanse
SPC10F_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC10F_0013	wcrD	PF00535.29	Glycosyl transferanse
SPC10F_0014	wciF	PF00535.29	Glycosyl transferanse
SPC10F_0018	wcrH	NPH	Glycosyl transferanse
SPC11C_0010	wchK	PF04101.19	Glycosyl transferanse
SPC11C_0011	wcyK	PF00534.23	Glycosyl transferanse
SPC11C_0013	wcrL	PF04488.18	Glycosyl transferanse
SPC19A_0010	wchQ	PF00535.29	Glycosyl transferanse
SPC15B_0010	wchK	PF04101.19	Glycosyl transferanse
SPC15B_0012	wchL	PF00535.29	Glycosyl transferanse
SPC15B_0013	wchM	PF00535.29	Glycosyl transferanse
SPC15B_0014	wchN	PF05704.15	Glycosyl transferanse
SPC15C_0010	wchK	PF04101.19	Glycosyl transferanse

SPC15C_0012	wchL	PF00535.29	Glycosyl transferanse
SPC15C_0013	wchM	PF00535.29	Glycosyl transferanse
SPC15C_0014	wchN	PF05704.15	Glycosyl transferanse
SPC33B_0009	wciN	PF01501.23	Glycosyl transferanse
SPC33B_0011	wcrC	PF00534.23	Glycosyl transferanse
SPC33B_0012	wciD	PF00535.29	Glycosyl transferanse
SPC33B_0013	wciE	PF05704.15	Glycosyl transferanse
SPC33B_0014	wciF	PF00535.29	Glycosyl transferanse
SPC36_0010	wcjA	PF00534.23	Glycosyl transferanse
SPC36_0012	wciF	PF00535.29	Glycosyl transferanse
SPC36_0016	wcrH	NPH	Glycosyl transferanse
SPC42_0009	wciB	PF14393.9	Glycosyl transferanse
SPC42_0011	wcrl	PF00535.29	Glycosyl transferanse
SPC42_0013	wcrK	PF05704.15	Glycosyl transferanse
SPC42_0015	wcrH	NPH	Glycosyl transferanse
SPC35C_0009	wciB	PF14393.9	Glycosyl transferanse
SPC35C_0011	wcrl	PF00535.29	Glycosyl transferanse
SPC35C_0013	wcrK	PF05704.15	Glycosyl transferanse
SPC35C_0015	wcrH	NPH	Glycosyl transferanse
SPC19F_0012	wchQ	PF00535.29	Glycosyl transferanse
SPC14_0010	wchK	PF04101.19	Glycosyl transferanse
SPC14_0012	wchL	PF00535.29	Glycosyl transferanse
SPC14_0013	wchM	PF00535.29	Glycosyl transferanse
SPC14_0014	wchN	PF05704.15	Glycosyl transferanse
SPC05_0006	wciJ	PF00534.23	Glycosyl transferanse
SPC05_0009	whaC	PF00535.29	Glycosyl transferanse
SPC05_0010	whaD	PF00534.23	Glycosyl transferanse
SPC27_0010	whaK	PF00535.29	Glycosyl transferanse
SPC27_0014	wcyS	PF05704.15	Glycosyl transferanse
SPC20_0009	wciB	PF14393.9	Glycosyl transferanse
SPC20_0011	whaJ	PF00535.29	Glycosyl transferanse
SPC20_0012	wciL	PF00534.23	Glycosyl transferanse
SPC20_0013	wcwK	PF11380.11	Glycosyl transferanse
SPC20_0014	wciD	PF00535.29	Glycosyl transferanse
SPC20_0015	whaF	PF05704.15	Glycosyl transferanse
SPC09A_0010	wcjA	PF00534.23	Glycosyl transferanse
SPC09A_0013	wcjB	NPH	Glycosyl transferanse
SPC09A_0015	wcjC	PF00534.23	Glycosyl transferanse
SPC02_0010	wchG	PF00535.29	Glycosyl transferanse
SPC02_0011	wchH	PF13692.9	Glycosyl transferanse
SPC02_0013	wchI	PF00534.23	Glycosyl transferanse
SPC09V_0009	wcjA	PF00534.23	Glycosyl transferanse
SPC09V_0012	wcjB	NPH	Glycosyl transferanse
SPC09V_0014	wcjC	PF00534.23	Glycosyl transferanse
SPC04_0010	wciJ	PF00534.23	Glycosyl transferanse
SPC04_0012	wciL	PF00534.23	Glycosyl transferanse
SPC07B_0010	wcwl	PF00535.29	Glycosyl transferanse
SPC07B_0011	wcwL	PF00534.23	Glycosyl transferanse
SPC07B_0012	wcwK	PF11380.11	Glycosyl transferanse
SPC07B_0013	wcxU	PF00535.29	Glycosyl transferanse
SPC35A_0009	wciB	PF14393.9	Glycosyl transferanse
SPC35A_0011	wcrl	PF00535.29	Glycosyl transferanse
SPC35A_0015	wcrH	NPH	Glycosyl transferanse
SPC23A_0011	wchV	PF00535.29	Glycosyl transferanse
SPC16F_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC16F_0012	wcxN	NPH	Glycosyl transferanse
SPC19B_0011	wchQ	PF00535.29	Glycosyl transferanse
SPC19B_0014	wchS	PF00535.29	Glycosyl transferanse

SPC16A_0012	wchK	PF04101.19	Glycosyl transferanse
SPC16A_0013	wcyK	PF00534.23	Glycosyl transferanse
SPC16A_0014	wcxS	PF00535.29	Glycosyl transferanse
SPC16A_0017	wciB	PF14393.9	Glycosyl transferanse
SPC07C_0009	wcwl	PF00535.29	Glycosyl transferanse
SPC07C_0010	wcwL	PF00534.23	Glycosyl transferanse
SPC07C_0011	wcwK	PF11380.11	Glycosyl transferanse
SPC07C_0012	wcxU	PF00535.29	Glycosyl transferanse
SPC18B_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC18B_0011	wciV	PF00535.29	Glycosyl transferanse
SPC18B_0012	wciW	PF05704.15	Glycosyl transferanse
SPC18C_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC18C_0011	wciV	PF00535.29	Glycosyl transferanse
SPC18C_0012	wciW	PF05704.15	Glycosyl transferanse
SPC28F_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC28F_0012	wcxN	NPH	Glycosyl transferanse
SPC18A_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC18A_0011	wciV	PF00535.29	Glycosyl transferanse
SPC18A_0012	wciW	PF05704.15	Glycosyl transferanse
SPC24A_0016	wcxl	PF00535.29	Glycosyl transferanse
SPC24A_0017	wcxJ	PF00535.29	Glycosyl transferanse
SPC48_0013	wcyS	PF05704.15	Glycosyl transferanse
SPC40_0009	wcwl	PF00535.29	Glycosyl transferanse
SPC40_0010	wcwL	PF00534.23	Glycosyl transferanse
SPC40_0011	wcwK	PF11380.11PF17103.8	Glycosyl transferanse
SPC40_0012	wcxU	PF00535.29	Glycosyl transferanse
SPC43_0009	wciB	PF14393.9	Glycosyl transferanse
SPC43_0011	wciE	PF05704.15	Glycosyl transferanse
SPC43_0012	wcrC	PF00534.23	Glycosyl transferanse
SPC43_0013	wcyM	PF00534.23	Glycosyl transferanse
SPC43_0015	wcyN	PF00535.29	Glycosyl transferanse
SPC43_0016	wcrH	NPH	Glycosyl transferanse
SPC31_0009	wciB	PF14393.9	Glycosyl transferanse
SPC31_0010	wcrP	PF00535.29	Glycosyl transferanse
SPC31_0011	wcrR	PF00535.29	Glycosyl transferanse
SPC31_0015	wcrX	NPH	Glycosyl transferanse
SPC01_0011	wchD	PF00534.23	Glycosyl transferanse
SPC23F_0010	wchV	PF00535.29	Glycosyl transferanse
SPC15F_0010	wchK	PF04101.19	Glycosyl transferanse
SPC15F_0012	wchL	PF00535.29	Glycosyl transferanse
SPC15F_0013	wchM	PF00535.29	Glycosyl transferanse
SPC15F_0014	wchN	PF05704.15	Glycosyl transferanse
SPC41A_0009	wciB	PF14393.9	Glycosyl transferanse
SPC41A_0010	wcrP	PF00535.29	Glycosyl transferanse
SPC41A_0011	wcrQ	PF05704.15	Glycosyl transferanse
SPC41A_0012	wcrR	PF00535.29	Glycosyl transferanse
SPC22A_0010	wcwA	PF00534.23	Glycosyl transferanse
SPC22A_0013	wcwV	PF00534.23	Glycosyl transferanse
SPC22A_0014	whaB	PF00535.29	Glycosyl transferanse
SPC22F_0010	wcwA	PF00534.23	Glycosyl transferanse
SPC22F_0013	wcwV	PF00534.23	Glycosyl transferanse
SPC22F_0014	whaB	PF00535.29	Glycosyl transferanse
SPC18F_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC18F_0012	wciV	PF00535.29	Glycosyl transferanse
SPC18F_0013	wciW	PF05704.15	Glycosyl transferanse
SPC17F_0012	wciP	PF00535.29	Glycosyl transferanse
SPC17F_0016	wcrV	PF05704.15	Glycosyl transferanse
SPC41F_0008	wciB	PF14393.9	Glycosyl transferanse

SPC41F_0009	wcrP	PF00535.29	Glycosyl transferanse
SPC41F_0010	wcrQ	PF05704.15	Glycosyl transferanse
SPC41F_0011	wcrR	PF00535.29	Glycosyl transferanse
SPC41F_0015	wcrX	NPH	Glycosyl transferanse
SPC28A_0010	wciU	PF13439.9PF00534.23	Glycosyl transferanse
SPC28A_0012	wcxN	NPH	Glycosyl transferanse
SPC23B_0011	wchV	PF00535.29	Glycosyl transferanse
SPC17A_0008	wciB	PF14393.9	Glycosyl transferanse
SPC17A_0009	wcrP	PF00535.29	Glycosyl transferanse
SPC17A_0010	wcrQ	PF05704.15	Glycosyl transferanse
SPC17A_0011	wcrR	PF00535.29	Glycosyl transferanse
SPC17A_0014	wcrV	PF05704.15	Glycosyl transferanse
SPC12B_0009	wciJ	PF00534.23	Glycosyl transferanse
SPC12B_0010	wcxB	PF13439.9PF00534.23	Glycosyl transferanse
SPC12B_0012	wcxD	PF00534.23	Glycosyl transferanse
SPC12B_0013	wcxE	PF00534.23	Glycosyl transferanse
SPC12B_0014	wcxF	PF00534.23	Glycosyl transferanse
SPC12F_0009	wciJ	PF00534.23	Glycosyl transferanse
SPC12F_0010	wcxB	PF13439.9PF00534.23	Glycosyl transferanse
SPC12F_0012	wcxD	PF00534.23	Glycosyl transferanse
SPC12F_0013	wcxE	PF00534.23	Glycosyl transferanse
SPC12F_0014	wcxF	PF00534.23	Glycosyl transferanse
SPC24B_0016	wcxI	PF00535.29	Glycosyl transferanse
SPC24B_0017	wcxJ	PF00535.29	Glycosyl transferanse
SPC07A_0010	wcwA	PF00534.23	Glycosyl transferanse
SPC07A_0014	wcwF	PF00535.29	Glycosyl transferanse
SPC07A_0015	wcwG	NPH	Glycosyl transferanse
SPC07A_0016	wcwH	PF00534.23	Glycosyl transferanse
SPC44_0009	wciJ	PF00534.23	Glycosyl transferanse
SPC44_0010	wcxB	PF13439.9PF00534.23	Glycosyl transferanse
SPC44_0012	wcxD	PF00534.23	Glycosyl transferanse
SPC44_0013	wcxE	PF00534.23	Glycosyl transferanse
SPC44_0014	wcxF	PF00534.23	Glycosyl transferanse
SPC07F_0010	wcwA	PF00534.23	Glycosyl transferanse
SPC07F_0014	wcwF	PF00535.29	Glycosyl transferanse
SPC07F_0015	wcwG	NPH	Glycosyl transferanse
SPC07F_0016	wcwH	PF00534.23	Glycosyl transferanse
SPC24F_0015	wcxI	PF00535.29	Glycosyl transferanse
SPC24F_0016	wcxJ	PF00535.29	Glycosyl transferanse
SCP46_0010	wciJ	PF00534.23	Glycosyl transferanse
SCP46_0011	wcxB	PF13439.9PF00534.23	Glycosyl transferanse
SCP46_0013	wcxD	PF00534.23	Glycosyl transferanse
SCP46_0014	wcxE	PF00534.23	Glycosyl transferanse
SCP46_0015	wcxF	PF00534.23	Glycosyl transferanse
SPC32F_0015	wchQ	PF00535.29	Glycosyl transferanse
SPC32F_0017	wcyS	PF05704.15	Glycosyl transferanse
SPC32A_0015	wchQ	PF00535.29	Glycosyl transferanse
SPC32A_0017	wcyS	PF05704.15	Glycosyl transferanse
SPC21_0010	wcwA	PF00534.23	Glycosyl transferanse
SPC21_0011	wcwK	PF11380.11PF17102.8	Glycosyl transferanse
SPC21_0013	wcyU	PF00535.29	Glycosyl transferanse
SPC19C_0011	wchQ	PF00535.29	Glycosyl transferanse
SPC19C_0014	wchS	PF00535.29	Glycosyl transferanse
SPC19C_0018	wchU	PF00534.23	Glycosyl transferanse
SPC12A_0011	wciJ	PF00534.23	Glycosyl transferanse
SPC12A_0012	wcxB	PF13439.9PF00534.23	Glycosyl transferanse
SPC12A_0014	wcxD	PF00534.23	Glycosyl transferanse
SPC12A_0015	wcxE	PF00534.23	Glycosyl transferanse

SPC12A_0016	wcxF	PF00534.23	Glycosyl transferanse
SPC45_0009	wciJ	PF00534.23	Glycosyl transferanse
SPC45_0010	wcxB	PF13439.9PF13692.9	Glycosyl transferanse
SPC45_0011	wciL	PF00534.23	Glycosyl transferanse
SPC45_0013	wcxS	PF00535.29	Glycosyl transferanse
SPC25F_0012	wcyA	PF00534.23	Glycosyl transferanse
SPC25F_0014	wcyB	PF00535.29	Glycosyl transferanse
SPC25F_0015	wcyC	PF00534.23	Glycosyl transferanse
SPC25F_0016	wcyD	PF20330.1	Glycosyl transferanse
SPC25A_0012	wcyA	PF00534.23	Glycosyl transferanse
SPC25A_0014	wcyB	PF00535.29	Glycosyl transferanse
SPC25A_0015	wcyC	PF00534.23	Glycosyl transferanse
SPC25A_0016	wcyD	PF20330.1	Glycosyl transferanse
SPC38_0013	wcyA	PF00534.23	Glycosyl transferanse
SPC38_0015	wcyB	PF00535.29	Glycosyl transferanse
SPC38_0016	wcyC	PF00534.23	Glycosyl transferanse
SPC38_0017	wcyD	PF20330.1	Glycosyl transferanse
SPC38_0018	wcyV	PF14305.9	Glycosyl transferanse
