Supplementary Table S2. The output of protein-protein interaction profiles.

#node1	node2	node1_string_id	node2_string_id	neighborhood_on_chromosome	gene_fusion	phylogenetic_cooccurrence	homology	coexpression	experimentally_determined_interaction	database_annotated	automated_textmining	combined_score
CsABI3	XP_010413213.1	90675.XP_010513655.1	90675.XP_010413213.1	0	0	0	0	0	0	0	0.58	0.58
CsABI3	CsARF3	90675.XP_010513655.1	90675.XP_010413793.1	0	0	0	0	0	0	0	0.413	0.412
CsABI3	CsARF10	90675.XP_010513655.1	90675.XP_010414539.1	0	0	0	0	0	0	0	0.603	0.603
CsABI3	XP_010419933.1	90675.XP_010513655.1	90675.XP_010419933.1	0	0	0	0	0	0	0	0.673	0.673
CsABI3	CsARF7	90675.XP_010513655.1	90675.XP_010420923.1	0	0	0	0	0	0	0	0.439	0.439
CsABI3	CsARF16	90675.XP_010513655.1	90675.XP_010447772.1	0	0	0	0	0	0	0	0.591	0.591
CsABI3	XP_010454381.1	90675.XP_010513655.1	90675.XP_010454381.1	0	0	0	0	0	0	0	0.439	0.439
CsABI3	CsREM14	90675.XP_010513655.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.494	0.493
CsABI3	CsARF2	90675.XP_010513655.1	90675.XP_010483894.1	0	0	0	0	0	0	0	0.554	0.554
CsABI3	XP_010492113.1	90675.XP_010513655.1	90675.XP_010492113.1	0	0	0	0	0	0	0	0.673	0.673

CsABI3	XP_010505159.1	90675.XP_010513655.1	90675.XP_010505159.1	0	0	0	0	0	0.845	0	0.926	0.988
CsABI3	XP_010509494.1	90675.XP_010513655.1	90675.XP_010509494.1	0	0	0	0	0	0.845	0	0.926	0.988
CsABI3	XP_010512696.1	90675.XP_010513655.1	90675.XP_010512696.1	0	0	0	0	0	0	0	0.58	0.58
CsABI3	XP_010516839.1	90675.XP_010513655.1	90675.XP_010516839.1	0	0	0	0	0	0.845	0	0.926	0.988
CsARF1	XP_010432745.1	90675.XP_010511012.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0.6	0.437	0.81
CsARF1	CsREM36	90675.XP_010511012.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.676	0.676
CsARF1	XP_010437929.1	90675.XP_010511012.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0.6	0.437	0.81
CsARF1	XP_010447413.1	90675.XP_010511012.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.437	0.81
CsARF1	CsREM37	90675.XP_010511012.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.676	0.676
CsARF1	XP_010457463.1	90675.XP_010511012.1	90675.XP_010457463.1	0	0	0	0	0	0.242	0.6	0.359	0.788
CsARF1	XP_010475075.1	90675.XP_010511012.1	90675.XP_010475075.1	0	0	0	0	0	0.242	0.6	0.359	0.788
CsARF1	CsREM14	90675.XP_010511012.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.656	0.656
CsARF1	XP_010483317.1	90675.XP_010511012.1	90675.XP_010483317.1	0	0	0	0	0	0.242	0.6	0.359	0.788

CsARF10	XP_010413213.1	90675.XP_010414539.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.758	0.763
CsARF10	XP_010432745.1	90675.XP_010414539.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0	0.303	0.436
CsARF10	XP_010437929.1	90675.XP_010414539.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0	0.303	0.436
CsARF10	XP_010447413.1	90675.XP_010414539.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0	0.303	0.436
CsARF10	CsARF6	90675.XP_010414539.1	90675.XP_010478417.1	0	0	0	0.731	0	0.267	0	0.924	0.448
CsARF10	XP_010419933.1	90675.XP_010414539.1	90675.XP_010419933.1	0	0	0	0	0	0	0	0.453	0.453
CsARF10	XP_010492113.1	90675.XP_010414539.1	90675.XP_010492113.1	0	0	0	0	0	0	0	0.453	0.453
CsARF10	CsABI3	90675.XP_010414539.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.603	0.603
CsARF10	XP_010483317.1	90675.XP_010414539.1	90675.XP_010483317.1	0	0	0	0	0	0.249	0	0.67	0.741
CsARF10	XP_010475075.1	90675.XP_010414539.1	90675.XP_010475075.1	0	0	0	0	0	0.249	0	0.67	0.741
CsARF10	XP_010457463.1	90675.XP_010414539.1	90675.XP_010457463.1	0	0	0	0	0	0.249	0	0.67	0.741
CsARF10	XP_010512696.1	90675.XP_010414539.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.758	0.763
CsARF11	XP_010457463.1	90675.XP_010508005.1	90675.XP_010457463.1	0	0	0	0.611	0	0.843	0	0.242	0.855

CsARF11	XP_010475075.1	90675.XP_010508005.1	90675.XP_010475075.1	0	0	0	0.619	0	0.843	0	0.242	0.855
CsARF11	CsARF6	90675.XP_010508005.1	90675.XP_010478417.1	0	0	0	0.84	0	0.841	0	0.573	0.855
CsARF11	XP_010483317.1	90675.XP_010508005.1	90675.XP_010483317.1	0	0	0	0.611	0	0.843	0	0.242	0.855
CsARF16	XP_010413213.1	90675.XP_010447772.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.692	0.699
CsARF16	XP_010432745.1	90675.XP_010447772.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0	0.391	0.507
CsARF16	XP_010437929.1	90675.XP_010447772.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0	0.391	0.507
CsARF16	XP_010447413.1	90675.XP_010447772.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0	0.391	0.507
CsARF16	CsABI3	90675.XP_010447772.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.591	0.591
CsARF16	XP_010483317.1	90675.XP_010447772.1	90675.XP_010483317.1	0	0	0	0	0	0.122	0	0.67	0.697
CsARF16	XP_010457463.1	90675.XP_010447772.1	90675.XP_010457463.1	0	0	0	0	0	0.122	0	0.67	0.697
CsARF16	XP_010475075.1	90675.XP_010447772.1	90675.XP_010475075.1	0	0	0	0	0	0.122	0	0.67	0.697
CsARF16	XP_010512696.1	90675.XP_010447772.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.692	0.699
CsARF17	XP_010413213.1	90675.XP_010471984.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.662	0.67

CsARF17	CsREM36	90675.XP_010471984.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.467	0.467
CsARF17	CsREM37	90675.XP_010471984.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.467	0.467
CsARF17	XP_010512696.1	90675.XP_010471984.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.662	0.67
CsARF18	XP_010432745.1	90675.XP_010512556.1	90675.XP_010432745.1	0	0	0	0.598	0	0.225	0.6	0.342	0.717
CsARF18	XP_010437929.1	90675.XP_010512556.1	90675.XP_010437929.1	0	0	0	0.608	0	0.225	0.6	0.342	0.716
CsARF18	XP_010447413.1	90675.XP_010512556.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF18	XP_010457463.1	90675.XP_010512556.1	90675.XP_010457463.1	0	0	0	0	0	0.843	0.6	0.242	0.948
CsARF18	XP_010475075.1	90675.XP_010512556.1	90675.XP_010475075.1	0	0	0	0	0	0.843	0.6	0.242	0.948
CsARF18	CsARF6	90675.XP_010512556.1	90675.XP_010478417.1	0	0	0	0.85	0	0.841	0	0.573	0.854
CsARF18	XP_010483317.1	90675.XP_010512556.1	90675.XP_010483317.1	0	0	0	0	0	0.843	0.6	0.242	0.948
CsARF2	XP_010413213.1	90675.XP_010483894.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.746	0.752
CsARF2	XP_010432745.1	90675.XP_010483894.1	90675.XP_010432745.1	0	0	0	0	0	0.259	0	0.587	0.68
CsARF2	XP_010437929.1	90675.XP_010483894.1	90675.XP_010437929.1	0	0	0	0	0	0.259	0	0.587	0.68

CsARF2	XP_010447413.1	90675.XP_010483894.1	90675.XP_010447413.1	0	0	0	0	0	0.259	0	0.587	0.68
CsARF2	XP_010457463.1	90675.XP_010483894.1	90675.XP_010457463.1	0	0	0	0	0	0.267	0	0.685	0.759
CsARF2	XP_010475075.1	90675.XP_010483894.1	90675.XP_010475075.1	0	0	0	0	0	0.267	0	0.685	0.759
CsARF2	XP_010483317.1	90675.XP_010483894.1	90675.XP_010483317.1	0	0	0	0	0	0.267	0	0.685	0.759
CsARF2	XP_010509494.1	90675.XP_010483894.1	90675.XP_010509494.1	0	0	0	0	0	0.073	0	0.515	0.531
CsARF2	XP_010505159.1	90675.XP_010483894.1	90675.XP_010505159.1	0	0	0	0	0	0.073	0	0.515	0.531
CsARF2	XP_010516839.1	90675.XP_010483894.1	90675.XP_010516839.1	0	0	0	0	0	0.073	0	0.515	0.531
CsARF2	CsABI3	90675.XP_010483894.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.554	0.554
CsARF2	XP_010512696.1	90675.XP_010483894.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.746	0.752
CsARF21	XP_010413213.1	90675.XP_010478873.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF21	XP_010432745.1	90675.XP_010478873.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF21	XP_010437929.1	90675.XP_010478873.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF21	XP_010447413.1	90675.XP_010478873.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.342	0.778

CsARF21	XP_010457463.1	90675.XP_010478873.1	90675.XP_010457463.1	0	0	0	0	0	0.227	0.6	0.299	0.764
CsARF21	XP_010475075.1	90675.XP_010478873.1	90675.XP_010475075.1	0	0	0	0	0	0.227	0.6	0.299	0.764
CsARF21	CsARF6	90675.XP_010478873.1	90675.XP_010478417.1	0	0	0	0.802	0	0.354	0	0.573	0.424
CsARF21	XP_010512696.1	90675.XP_010478873.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF21	XP_010483317.1	90675.XP_010478873.1	90675.XP_010483317.1	0	0	0	0	0	0.227	0.6	0.299	0.764
CsARF22	XP_010413213.1	90675.XP_010477432.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF22	XP_010432745.1	90675.XP_010477432.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF22	XP_010437929.1	90675.XP_010477432.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF22	XP_010447413.1	90675.XP_010477432.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF22	XP_010457463.1	90675.XP_010477432.1	90675.XP_010457463.1	0	0	0	0.609	0	0.227	0.6	0.299	0.711
CsARF22	XP_010475075.1	90675.XP_010477432.1	90675.XP_010475075.1	0	0	0	0.609	0	0.227	0.6	0.299	0.711
CsARF22	CsARF6	90675.XP_010477432.1	90675.XP_010478417.1	0	0	0	0.808	0	0.354	0	0.573	0.422
CsARF22	XP_010512696.1	90675.XP_010477432.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.545	0.555

CsARF22	XP_010483317.1	90675.XP_010477432.1	90675.XP_010483317.1	0	0	0	0	0	0.227	0.6	0.299	0.764
CsARF23	XP_010413213.1	90675.XP_010499991.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF23	XP_010432745.1	90675.XP_010499991.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0	0.342	0.468
CsARF23	XP_010447413.1	90675.XP_010499991.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0	0.342	0.468
CsARF23	CsARF6	90675.XP_010499991.1	90675.XP_010478417.1	0	0	0	0.802	0	0.354	0	0.573	0.424
CsARF23	XP_010512696.1	90675.XP_010499991.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF3	XP_010413213.1	90675.XP_010413793.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.581	0.591
CsARF3	CsABI3	90675.XP_010413793.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.413	0.412
CsARF3	XP_010512696.1	90675.XP_010413793.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.581	0.591
CsARF3	XP_010432745.1	90675.XP_010413793.1	90675.XP_010432745.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF3	XP_010437929.1	90675.XP_010413793.1	90675.XP_010437929.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF3	XP_010447413.1	90675.XP_010413793.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsARF3	XP_010457463.1	90675.XP_010413793.1	90675.XP_010457463.1	0	0	0	0	0	0.122	0.6	0.439	0.785

CsARF3	XP_010475075.1	90675.XP_010413793.1	90675.XP_010475075.1	0	0	0	0	0	0.122	0.6	0.439	0.785
CsARF3	XP_010483317.1	90675.XP_010413793.1	90675.XP_010483317.1	0	0	0	0	0	0.122	0.6	0.439	0.785
CsARF4	XP_010413213.1	90675.XP_010456437.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.57	0.58
CsARF4	XP_010432745.1	90675.XP_010456437.1	90675.XP_010432745.1	0	0	0	0	0	0.249	0	0.448	0.567
CsARF4	XP_010437929.1	90675.XP_010456437.1	90675.XP_010437929.1	0	0	0	0	0	0.249	0	0.448	0.567
CsARF4	XP_010447413.1	90675.XP_010456437.1	90675.XP_010447413.1	0	0	0	0	0	0.249	0	0.448	0.567
CsARF4	XP_010512696.1	90675.XP_010456437.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.57	0.58
CsARF4	XP_010475075.1	90675.XP_010456437.1	90675.XP_010475075.1	0	0	0	0	0	0.845	0	0.305	0.887
CsARF4	XP_010457463.1	90675.XP_010456437.1	90675.XP_010457463.1	0	0	0	0	0	0.845	0	0.305	0.887
CsARF4	XP_010483317.1	90675.XP_010456437.1	90675.XP_010483317.1	0	0	0	0	0	0.845	0	0.305	0.887
CsARF5	XP_010413213.1	90675.XP_010498407.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.793	0.797
CsARF5	CsARF7	90675.XP_010498407.1	90675.XP_010420923.1	0	0	0	0.862	0	0.858	0	0.908	0.875
CsARF5	XP_010432745.1	90675.XP_010498407.1	90675.XP_010432745.1	0	0	0	0	0	0.845	0.6	0.576	0.971

CsARF5	XP_010437929.1	90675.XP_010498407.1	90675.XP_010437929.1	0	0	0	0	0	0.845	0.6	0.576	0.971
CsARF5	XP_010447413.1	90675.XP_010498407.1	90675.XP_010447413.1	0	0	0	0	0	0.845	0.6	0.576	0.971
CsARF5	XP_010454381.1	90675.XP_010498407.1	90675.XP_010454381.1	0	0	0	0.863	0	0.858	0	0.908	0.875
CsARF5	XP_010457463.1	90675.XP_010498407.1	90675.XP_010457463.1	0	0	0	0	0	0.911	0.6	0.853	0.994
CsARF5	CsLEC2	90675.XP_010498407.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.438	0.438
CsARF5	XP_010475075.1	90675.XP_010498407.1	90675.XP_010475075.1	0	0	0	0	0	0.911	0.6	0.853	0.994
CsARF5	XP_010483317.1	90675.XP_010498407.1	90675.XP_010483317.1	0	0	0	0	0	0.911	0.6	0.853	0.994
CsARF5	XP_010512696.1	90675.XP_010498407.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.793	0.797
CsARF6	XP_010413213.1	90675.XP_010478417.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.789	0.794
CsARF6	CsARF10	90675.XP_010478417.1	90675.XP_010414539.1	0	0	0	0.731	0	0.267	0	0.924	0.448
CsARF6	CsFUS3	90675.XP_010478417.1	90675.XP_010425402.1	0	0	0	0	0	0	0	0.492	0.491
CsARF6	XP_010432745.1	90675.XP_010478417.1	90675.XP_010432745.1	0	0	0	0	0	0.855	0	0.672	0.95
CsARF6	CsARF9	90675.XP_010478417.1	90675.XP_010433832.1	0	0	0	0.838	0	0.354	0	0.573	0.412

CsARF6	XP_010437929.1	90675.XP_010478417.1	90675.XP_010437929.1	0	0	0	0	0	0.855	0	0.672	0.95
CsARF6	XP_010447413.1	90675.XP_010478417.1	90675.XP_010447413.1	0	0	0	0	0	0.855	0	0.672	0.95
CsARF6	XP_010457463.1	90675.XP_010478417.1	90675.XP_010457463.1	0	0	0	0.62	0	0.848	0	0.682	0.886
CsARF6	XP_010475075.1	90675.XP_010478417.1	90675.XP_010475075.1	0	0	0	0.619	0	0.848	0	0.682	0.886
CsARF6	CsARF22	90675.XP_010478417.1	90675.XP_010477432.1	0	0	0	0.808	0	0.354	0	0.573	0.422
CsARF6	CsARF23	90675.XP_010478417.1	90675.XP_010499991.1	0	0	0	0.802	0	0.354	0	0.573	0.424
CsARF6	CsARF21	90675.XP_010478417.1	90675.XP_010478873.1	0	0	0	0.802	0	0.354	0	0.573	0.424
CsARF6	XP_010512696.1	90675.XP_010478417.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.789	0.794
CsARF6	CsARF18	90675.XP_010478417.1	90675.XP_010512556.1	0	0	0	0.85	0	0.841	0	0.573	0.854
CsARF6	CsARF11	90675.XP_010478417.1	90675.XP_010508005.1	0	0	0	0.84	0	0.841	0	0.573	0.855
CsARF6	XP_010483317.1	90675.XP_010478417.1	90675.XP_010483317.1	0	0	0	0.62	0	0.848	0	0.682	0.886
CsARF7	XP_010413213.1	90675.XP_010420923.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.846	0.849
CsARF7	CsABI3	90675.XP_010420923.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.439	0.439

CsARF7	XP_010512696.1	90675.XP_010420923.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.846	0.849
CsARF7	CsARF5	90675.XP_010420923.1	90675.XP_010498407.1	0	0	0	0.862	0	0.858	0	0.908	0.875
CsARF7	XP_010477210.1	90675.XP_010420923.1	90675.XP_010477210.1	0	0	0	0.863	0	0.858	0	0.908	0.875
CsARF7	XP_010459661.1	90675.XP_010420923.1	90675.XP_010459661.1	0	0	0	0.867	0	0.858	0	0.908	0.875
CsARF7	XP_010432745.1	90675.XP_010420923.1	90675.XP_010432745.1	0	0	0	0	0	0.913	0.6	0.683	0.988
CsARF7	XP_010437929.1	90675.XP_010420923.1	90675.XP_010437929.1	0	0	0	0	0	0.913	0.6	0.683	0.988
CsARF7	XP_010447413.1	90675.XP_010420923.1	90675.XP_010447413.1	0	0	0	0	0	0.913	0.6	0.683	0.988
CsARF7	XP_010475075.1	90675.XP_010420923.1	90675.XP_010475075.1	0	0	0	0	0	0.851	0.6	0.837	0.989
CsARF7	XP_010457463.1	90675.XP_010420923.1	90675.XP_010457463.1	0	0	0	0	0	0.851	0.6	0.837	0.989
CsARF7	XP_010483317.1	90675.XP_010420923.1	90675.XP_010483317.1	0	0	0	0	0	0.851	0.6	0.837	0.989
CsARF8	XP_010413213.1	90675.XP_010450468.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.816	0.82
CsARF8	XP_010432745.1	90675.XP_010450468.1	90675.XP_010432745.1	0	0	0	0	0	0.845	0	0.583	0.932
CsARF8	XP_010437929.1	90675.XP_010450468.1	90675.XP_010437929.1	0	0	0	0	0	0.845	0	0.583	0.932

CsARF8	XP_010447413.1	90675.XP_010450468.1	90675.XP_010447413.1	0	0	0	0	0	0.845	0	0.583	0.932
CsARF8	XP_010512696.1	90675.XP_010450468.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.816	0.82
CsARF8	XP_010457463.1	90675.XP_010450468.1	90675.XP_010457463.1	0	0	0	0	0.065	0.845	0	0.593	0.935
CsARF8	XP_010475075.1	90675.XP_010450468.1	90675.XP_010475075.1	0	0	0	0	0.065	0.845	0	0.593	0.935
CsARF8	XP_010483317.1	90675.XP_010450468.1	90675.XP_010483317.1	0	0	0	0	0.065	0.845	0	0.593	0.935
CsARF9	XP_010413213.1	90675.XP_010433832.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF9	XP_010432745.1	90675.XP_010433832.1	90675.XP_010432745.1	0	0	0	0.596	0	0.225	0.6	0.342	0.717
CsARF9	CsARF6	90675.XP_010433832.1	90675.XP_010478417.1	0	0	0	0.838	0	0.354	0	0.573	0.412
CsARF9	XP_010512696.1	90675.XP_010433832.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.545	0.555
CsARF9	XP_010483317.1	90675.XP_010433832.1	90675.XP_010483317.1	0	0	0	0.619	0	0.227	0.6	0.299	0.71
CsARF9	XP_010457463.1	90675.XP_010433832.1	90675.XP_010457463.1	0	0	0	0.619	0	0.227	0.6	0.299	0.71
CsARF9	XP_010475075.1	90675.XP_010433832.1	90675.XP_010475075.1	0	0	0	0.617	0	0.227	0.6	0.299	0.71
CsARF9	XP_010437929.1	90675.XP_010433832.1	90675.XP_010437929.1	0	0	0	0.609	0	0.225	0.6	0.342	0.716

CsARF9	XP_010447413.1	90675.XP_010433832.1	90675.XP_010447413.1	0	0	0	0	0	0.225	0.6	0.342	0.778
CsFUS3	CsARF6	90675.XP_010425402.1	90675.XP_010478417.1	0	0	0	0	0	0	0	0.492	0.491
CsFUS3	XP_010509494.1	90675.XP_010425402.1	90675.XP_010509494.1	0	0	0	0	0	0.227	0	0.695	0.754
CsFUS3	XP_010516839.1	90675.XP_010425402.1	90675.XP_010516839.1	0	0	0	0	0	0.227	0	0.695	0.754
CsFUS3	XP_010505159.1	90675.XP_010425402.1	90675.XP_010505159.1	0	0	0	0	0	0.227	0	0.695	0.754
CsHSI2	CsREM28	90675.XP_010414264.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.435	0.435
CsHSI2	CsREM4	90675.XP_010414264.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.439	0.439
CsHSI2	CsREM5	90675.XP_010414264.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.545	0.545
CsHSI2	CsREM2	90675.XP_010414264.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.72	0.72
CsHSI2L1	CsREM4	90675.XP_010437965.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.43	0.43
CsHSI2L1	CsREM28	90675.XP_010437965.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.541	0.541
CsLEC2	XP_010459661.1	90675.XP_010460616.1	90675.XP_010459661.1	0	0	0	0	0	0	0	0.438	0.438
CsLEC2	CsARF5	90675.XP_010460616.1	90675.XP_010498407.1	0	0	0	0	0	0	0	0.438	0.438

CsLEC2	XP_010477210.1	90675.XP_010460616.1	90675.XP_010477210.1	0	0	0	0	0	0	0	0.438	0.438
CsLEC2	XP_010505159.1	90675.XP_010460616.1	90675.XP_010505159.1	0	0	0	0	0	0	0	0.596	0.596
CsLEC2	XP_010516839.1	90675.XP_010460616.1	90675.XP_010516839.1	0	0	0	0	0	0	0	0.596	0.596
CsLEC2	XP_010509494.1	90675.XP_010460616.1	90675.XP_010509494.1	0	0	0	0	0	0	0	0.596	0.596
CsRAV1.1	XP_010457463.1	90675.XP_010476321.1	90675.XP_010457463.1	0	0	0	0	0	0	0	0.589	0.589
CsRAV1.1	XP_010475075.1	90675.XP_010476321.1	90675.XP_010475075.1	0	0	0	0	0	0	0	0.589	0.589
CsRAV1.1	XP_010516839.1	90675.XP_010476321.1	90675.XP_010516839.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV1.1	XP_010509494.1	90675.XP_010476321.1	90675.XP_010509494.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV1.1	XP_010505159.1	90675.XP_010476321.1	90675.XP_010505159.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV1.1	CsREM14	90675.XP_010476321.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.562	0.562
CsRAV1.1	XP_010483317.1	90675.XP_010476321.1	90675.XP_010483317.1	0	0	0	0	0	0	0	0.589	0.589
CsRAV1.2	XP_010457463.1	90675.XP_010502448.1	90675.XP_010457463.1	0	0	0	0	0	0	0	0.589	0.589
CsRAV1.2	XP_010475075.1	90675.XP_010502448.1	90675.XP_010475075.1	0	0	0	0	0	0	0	0.589	0.589

CsRAV1.2	CsREM14	90675.XP_010502448.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.562	0.562
CsRAV1.2	XP_010483317.1	90675.XP_010502448.1	90675.XP_010483317.1	0	0	0	0	0	0	0	0.589	0.589
CsRAV1.2	XP_010505159.1	90675.XP_010502448.1	90675.XP_010505159.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV1.2	XP_010516839.1	90675.XP_010502448.1	90675.XP_010516839.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV1.2	XP_010509494.1	90675.XP_010502448.1	90675.XP_010509494.1	0	0	0	0	0	0	0	0.49	0.489
CsRAV2	CsREM5	90675.XP_010415512.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.409	0.408
CsRAV2	CsREM14	90675.XP_010415512.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.562	0.562
CsRAV2	CsREM36	90675.XP_010415512.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.676	0.676
CsRAV2	CsREM37	90675.XP_010415512.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.676	0.676
CsRAVL1	XP_010420501.1	90675.XP_010516819.1	90675.XP_010420501.1	0	0	0	0	0.499	0.783	0.786	0.533	0.987
CsRAVL1	XP_010422966.1	90675.XP_010516819.1	90675.XP_010422966.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967
CsRAVL1	XP_010452952.1	90675.XP_010516819.1	90675.XP_010452952.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967
CsRAVL1	XP_010491595.1	90675.XP_010516819.1	90675.XP_010491595.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967

CsRAVL4	XP_010516839.1	90675.XP_010463359.1	90675.XP_010516839.1	0	0	0	0	0	0.227	0	0.28	0.419
CsRAVL4	XP_010509494.1	90675.XP_010463359.1	90675.XP_010509494.1	0	0	0	0	0	0.227	0	0.28	0.419
CsRAVL4	XP_010505159.1	90675.XP_010463359.1	90675.XP_010505159.1	0	0	0	0	0	0.227	0	0.28	0.419
CsRAVL5	XP_010505159.1	90675.XP_010461945.1	90675.XP_010505159.1	0	0	0	0	0	0.227	0	0.28	0.419
CsRAVL5	XP_010516839.1	90675.XP_010461945.1	90675.XP_010516839.1	0	0	0	0	0	0.227	0	0.28	0.419
CsRAVL5	XP_010509494.1	90675.XP_010461945.1	90675.XP_010509494.1	0	0	0	0	0	0.227	0	0.28	0.419
CsREM12	CsREM20	90675.XP_010455999.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.49	0.489
CsREM14	CsRAV2	90675.XP_010476776.1	90675.XP_010415512.1	0	0	0	0	0	0	0	0.562	0.562
CsREM14	CsREM33	90675.XP_010476776.1	90675.XP_010417221.1	0	0	0	0	0	0	0	0.493	0.493
CsREM14	CsREM39	90675.XP_010476776.1	90675.XP_010432839.1	0	0	0	0	0	0	0	0.559	0.559
CsREM14	CsREM36	90675.XP_010476776.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.927	0.927
CsREM14	CsREM37	90675.XP_010476776.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.927	0.927
CsREM14	CsREM42	90675.XP_010476776.1	90675.XP_010447530.1	0	0	0	0	0	0	0	0.559	0.559

CsREM14	CsREM28	90675.XP_010476776.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.493	0.493
CsREM14	CsREM32	90675.XP_010476776.1	90675.XP_010472482.1	0	0	0	0	0	0	0	0.493	0.493
CsREM14	CsRAV1.1	90675.XP_010476776.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.562	0.562
CsREM14	CsABI3	90675.XP_010476776.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.494	0.493
CsREM14	CsTEM1	90675.XP_010476776.1	90675.XP_010477910.1	0	0	0	0	0	0	0	0.562	0.562
CsREM14	CsRAV1.2	90675.XP_010476776.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.562	0.562
CsREM14	CsARF1	90675.XP_010476776.1	90675.XP_010511012.1	0	0	0	0	0	0	0	0.656	0.656
CsREM14	CsREM5	90675.XP_010476776.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.731	0.731
CsREM15	CsREM20	90675.XP_010483307.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.49	0.489
CsREM2	CsHSI2	90675.XP_010481961.1	90675.XP_010414264.1	0	0	0	0	0	0	0	0.72	0.72
CsREM2	CsREM33	90675.XP_010481961.1	90675.XP_010417221.1	0	0	0	0	0	0	0	0.58	0.58
CsREM2	CsREM39	90675.XP_010481961.1	90675.XP_010432839.1	0	0	0	0	0	0	0	0.453	0.453
CsREM2	CsREM42	90675.XP_010481961.1	90675.XP_010447530.1	0	0	0	0	0	0	0	0.453	0.453

CsREM2	CsREM28	90675.XP_010481961.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.888	0.888
CsREM2	CsREM4	90675.XP_010481961.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.569	0.569
CsREM2	CsREM29	90675.XP_010481961.1	90675.XP_010472478.1	0	0	0	0	0	0	0	0.52	0.52
CsREM2	CsREM32	90675.XP_010481961.1	90675.XP_010472482.1	0	0	0	0	0	0	0	0.58	0.58
CsREM20	CsREM33	90675.XP_010454021.1	90675.XP_010417221.1	0	0	0	0	0	0	0	0.54	0.54
CsREM20	CsREM39	90675.XP_010454021.1	90675.XP_010432839.1	0	0	0	0	0	0	0	0.404	0.404
CsREM20	CsREM42	90675.XP_010454021.1	90675.XP_010447530.1	0	0	0	0	0	0	0	0.404	0.404
CsREM20	CsREM15	90675.XP_010454021.1	90675.XP_010483307.1	0	0	0	0	0	0	0	0.49	0.489
CsREM20	CsREM12	90675.XP_010454021.1	90675.XP_010455999.1	0	0	0	0	0	0	0	0.49	0.489
CsREM20	CsREM32	90675.XP_010454021.1	90675.XP_010472482.1	0	0	0	0	0	0	0	0.54	0.54
CsREM20	CsREM28	90675.XP_010454021.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.54	0.54
CsREM28	CsHSI2	90675.XP_010460279.1	90675.XP_010414264.1	0	0	0	0	0	0	0	0.435	0.435
CsREM28	CsHSI2L1	90675.XP_010460279.1	90675.XP_010437965.1	0	0	0	0	0	0	0	0.541	0.541

CsREM 28	CsREM 20	90675.XP_010460279.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.54	0.54
CsREM 28	CsREM 14	90675.XP_010460279.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.493	0.493
CsREM 28	CsREM 5	90675.XP_010460279.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.674	0.674
CsREM 28	CsREM 4	90675.XP_010460279.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.803	0.803
CsREM 28	CsREM 2	90675.XP_010460279.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.888	0.888
CsREM 29	CsREM 2	90675.XP_010472478.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.52	0.52
CsREM 32	CsREM 20	90675.XP_010472482.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.54	0.54
CsREM 32	CsREM 4	90675.XP_010472482.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.542	0.542
CsREM 32	CsREM 14	90675.XP_010472482.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.493	0.493
CsREM 32	CsREM 2	90675.XP_010472482.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.58	0.58
CsREM 33	CsREM 14	90675.XP_010417221.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.493	0.493
CsREM 33	CsREM 20	90675.XP_010417221.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.54	0.54
CsREM 33	CsREM 4	90675.XP_010417221.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.542	0.542

CsREM33	CsREM2	90675.XP_010417221.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.58	0.58
CsREM36	CsRAV2	90675.XP_010432841.1	90675.XP_010415512.1	0	0	0	0	0	0	0	0.676	0.676
CsREM36	CsARF17	90675.XP_010432841.1	90675.XP_010471984.1	0	0	0	0	0	0	0	0.467	0.467
CsREM36	CsREM4	90675.XP_010432841.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.519	0.519
CsREM36	CsREM5	90675.XP_010432841.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.578	0.578
CsREM36	CsARF1	90675.XP_010432841.1	90675.XP_010511012.1	0	0	0	0	0	0	0	0.676	0.676
CsREM36	CsREM14	90675.XP_010432841.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.927	0.927
CsREM37	CsRAV2	90675.XP_010447523.1	90675.XP_010415512.1	0	0	0	0	0	0	0	0.676	0.676
CsREM37	CsARF17	90675.XP_010447523.1	90675.XP_010471984.1	0	0	0	0	0	0	0	0.467	0.467
CsREM37	CsREM4	90675.XP_010447523.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.519	0.519
CsREM37	CsREM5	90675.XP_010447523.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.578	0.578
CsREM37	CsARF1	90675.XP_010447523.1	90675.XP_010511012.1	0	0	0	0	0	0	0	0.676	0.676
CsREM37	CsREM14	90675.XP_010447523.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.927	0.927

CsREM 39	CsREM 20	90675.XP_010432839.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.404	0.404
CsREM 39	CsREM 4	90675.XP_010432839.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.453	0.453
CsREM 39	CsREM 2	90675.XP_010432839.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.453	0.453
CsREM 39	CsREM 5	90675.XP_010432839.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.52	0.52
CsREM 39	CsREM 14	90675.XP_010432839.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.559	0.559
CsREM 4	CsHSI2	90675.XP_010461784.1	90675.XP_010414264.1	0	0	0	0	0	0	0	0.439	0.439
CsREM 4	CsREM 33	90675.XP_010461784.1	90675.XP_010417221.1	0	0	0	0	0	0	0	0.542	0.542
CsREM 4	CsREM 39	90675.XP_010461784.1	90675.XP_010432839.1	0	0	0	0	0	0	0	0.453	0.453
CsREM 4	CsREM 36	90675.XP_010461784.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.519	0.519
CsREM 4	CsHSI2L1	90675.XP_010461784.1	90675.XP_010437965.1	0	0	0	0	0	0	0	0.43	0.43
CsREM 4	CsREM 37	90675.XP_010461784.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.519	0.519
CsREM 4	CsREM 42	90675.XP_010461784.1	90675.XP_010447530.1	0	0	0	0	0	0	0	0.453	0.453
CsREM 4	CsREM 28	90675.XP_010461784.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.803	0.803

CsREM4	CsREM32	90675.XP_010461784.1	90675.XP_010472482.1	0	0	0	0	0	0	0	0.542	0.542
CsREM4	CsREM2	90675.XP_010461784.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.569	0.569
CsREM42	CsREM20	90675.XP_010447530.1	90675.XP_010454021.1	0	0	0	0	0	0	0	0.404	0.404
CsREM42	CsREM4	90675.XP_010447530.1	90675.XP_010461784.1	0	0	0	0	0	0	0	0.453	0.453
CsREM42	CsREM2	90675.XP_010447530.1	90675.XP_010481961.1	0	0	0	0	0	0	0	0.453	0.453
CsREM42	CsREM5	90675.XP_010447530.1	90675.XP_010487822.1	0	0	0	0	0	0	0	0.52	0.52
CsREM42	CsREM14	90675.XP_010447530.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.559	0.559
CsREM5	CsHSI2	90675.XP_010487822.1	90675.XP_010414264.1	0	0	0	0	0	0	0	0.545	0.545
CsREM5	CsRAV2	90675.XP_010487822.1	90675.XP_010415512.1	0	0	0	0	0	0	0	0.409	0.408
CsREM5	CsREM39	90675.XP_010487822.1	90675.XP_010432839.1	0	0	0	0	0	0	0	0.52	0.52
CsREM5	CsREM36	90675.XP_010487822.1	90675.XP_010432841.1	0	0	0	0	0	0	0	0.578	0.578
CsREM5	CsREM37	90675.XP_010487822.1	90675.XP_010447523.1	0	0	0	0	0	0	0	0.578	0.578
CsREM5	CsREM42	90675.XP_010487822.1	90675.XP_010447530.1	0	0	0	0	0	0	0	0.52	0.52

CsREM5	CsREM28	90675.XP_010487822.1	90675.XP_010460279.1	0	0	0	0	0	0	0	0.674	0.674
CsREM5	CsREM14	90675.XP_010487822.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.731	0.731
CsTEM1	CsREM14	90675.XP_010477910.1	90675.XP_010476776.1	0	0	0	0	0	0	0	0.562	0.562
XP_010413213.1	CsARF22	90675.XP_010413213.1	90675.XP_010477432.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010413213.1	CsARF21	90675.XP_010413213.1	90675.XP_010478873.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010413213.1	CsARF9	90675.XP_010413213.1	90675.XP_010433832.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010413213.1	CsARF23	90675.XP_010413213.1	90675.XP_010499991.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010413213.1	CsARF4	90675.XP_010413213.1	90675.XP_010456437.1	0	0	0	0	0	0.064	0	0.57	0.58
XP_010413213.1	CsABI3	90675.XP_010413213.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.58	0.58
XP_010413213.1	CsARF3	90675.XP_010413213.1	90675.XP_010413793.1	0	0	0	0	0	0.064	0	0.581	0.591
XP_010413213.1	CsARF17	90675.XP_010413213.1	90675.XP_010471984.1	0	0	0	0	0	0.064	0	0.662	0.67
XP_010413213.1	CsARF16	90675.XP_010413213.1	90675.XP_010447772.1	0	0	0	0	0	0.064	0	0.692	0.699
XP_010413213.1	CsARF2	90675.XP_010413213.1	90675.XP_010483894.1	0	0	0	0	0	0.064	0	0.746	0.752

XP_010413213.1	CsARF10	90675.XP_010413213.1	90675.XP_010414539.1	0	0	0	0	0	0.064	0	0.758	0.763
XP_010413213.1	CsARF6	90675.XP_010413213.1	90675.XP_010478417.1	0	0	0	0	0	0.064	0	0.789	0.794
XP_010413213.1	CsARF5	90675.XP_010413213.1	90675.XP_010498407.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010413213.1	XP_010459661.1	90675.XP_010413213.1	90675.XP_010459661.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010413213.1	XP_010477210.1	90675.XP_010413213.1	90675.XP_010477210.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010413213.1	XP_010512696.1	90675.XP_010413213.1	90675.XP_010512696.1	0	0	0	0.987	0	0	0.8	0	0.8
XP_010413213.1	CsARF8	90675.XP_010413213.1	90675.XP_010450468.1	0	0	0	0	0	0.064	0	0.816	0.82
XP_010413213.1	CsARF7	90675.XP_010413213.1	90675.XP_010420923.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010413213.1	XP_010454381.1	90675.XP_010413213.1	90675.XP_010454381.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010413213.1	XP_010447413.1	90675.XP_010413213.1	90675.XP_010447413.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010413213.1	XP_010432745.1	90675.XP_010413213.1	90675.XP_010432745.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010413213.1	XP_010437929.1	90675.XP_010413213.1	90675.XP_010437929.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010413213.1	XP_010457463.1	90675.XP_010413213.1	90675.XP_010457463.1	0	0	0	0	0	0.867	0.6	0.919	0.995

XP_010413213.1	XP_010475075.1	90675.XP_010413213.1	90675.XP_010475075.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010413213.1	XP_010483317.1	90675.XP_010413213.1	90675.XP_010483317.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010419933.1	CsARF10	90675.XP_010419933.1	90675.XP_010414539.1	0	0	0	0	0	0	0	0.453	0.453
XP_010419933.1	XP_010492113.1	90675.XP_010419933.1	90675.XP_010492113.1	0	0	0	0.988	0.046	0.222	0.361	0.099	0.484
XP_010419933.1	CsABI3	90675.XP_010419933.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.673	0.673
XP_010419933.1	XP_010509494.1	90675.XP_010419933.1	90675.XP_010509494.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010419933.1	XP_010516839.1	90675.XP_010419933.1	90675.XP_010516839.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010419933.1	XP_010505159.1	90675.XP_010419933.1	90675.XP_010505159.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010420501.1	CsRAVL1	90675.XP_010420501.1	90675.XP_010516819.1	0	0	0	0	0.499	0.783	0.786	0.533	0.987
XP_010420501.1	XP_010422966.1	90675.XP_010420501.1	90675.XP_010422966.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991
XP_010420501.1	XP_010491595.1	90675.XP_010420501.1	90675.XP_010491595.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991
XP_010420501.1	XP_010452952.1	90675.XP_010420501.1	90675.XP_010452952.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991
XP_010422966.1	XP_010420501.1	90675.XP_010422966.1	90675.XP_010420501.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991

XP_010422966.1	XP_010491595.1	90675.XP_010422966.1	90675.XP_010491595.1	0	0	0	0.985	0.083	0	0.8	0.778	0.81
XP_010422966.1	XP_010452952.1	90675.XP_010422966.1	90675.XP_010452952.1	0	0	0	0.986	0.083	0	0.8	0.778	0.81
XP_010422966.1	CsRAVL1	90675.XP_010422966.1	90675.XP_010516819.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967
XP_010432745.1	XP_010413213.1	90675.XP_010432745.1	90675.XP_010413213.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010432745.1	CsARF3	90675.XP_010432745.1	90675.XP_010413793.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010432745.1	CsARF10	90675.XP_010432745.1	90675.XP_010414539.1	0	0	0	0	0	0.225	0	0.303	0.436
XP_010432745.1	CsARF7	90675.XP_010432745.1	90675.XP_010420923.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010432745.1	XP_010457463.1	90675.XP_010432745.1	90675.XP_010457463.1	0	0	0	0.638	0	0.249	0	0.657	0.423
XP_010432745.1	XP_010483317.1	90675.XP_010432745.1	90675.XP_010483317.1	0	0	0	0.636	0	0.249	0	0.657	0.424
XP_010432745.1	XP_010475075.1	90675.XP_010432745.1	90675.XP_010475075.1	0	0	0	0.631	0	0.249	0	0.657	0.426
XP_010432745.1	CsARF23	90675.XP_010432745.1	90675.XP_010499991.1	0	0	0	0	0	0.225	0	0.342	0.468
XP_010432745.1	CsARF16	90675.XP_010432745.1	90675.XP_010447772.1	0	0	0	0	0	0.225	0	0.391	0.507
XP_010432745.1	CsARF4	90675.XP_010432745.1	90675.XP_010456437.1	0	0	0	0	0	0.249	0	0.448	0.567

XP_010432745.1	CsARF2	90675.XP_010432745.1	90675.XP_010483894.1	0	0	0	0	0	0.259	0	0.587	0.68
XP_010432745.1	CsARF9	90675.XP_010432745.1	90675.XP_010433832.1	0	0	0	0.596	0	0.225	0.6	0.342	0.717
XP_010432745.1	CsARF18	90675.XP_010432745.1	90675.XP_010512556.1	0	0	0	0.598	0	0.225	0.6	0.342	0.717
XP_010432745.1	CsARF21	90675.XP_010432745.1	90675.XP_010478873.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010432745.1	CsARF22	90675.XP_010432745.1	90675.XP_010477432.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010432745.1	CsARF1	90675.XP_010432745.1	90675.XP_010511012.1	0	0	0	0	0	0.225	0.6	0.437	0.81
XP_010432745.1	XP_010512696.1	90675.XP_010432745.1	90675.XP_010512696.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010432745.1	CsARF8	90675.XP_010432745.1	90675.XP_010450468.1	0	0	0	0	0	0.845	0	0.583	0.932
XP_010432745.1	CsARF6	90675.XP_010432745.1	90675.XP_010478417.1	0	0	0	0	0	0.855	0	0.672	0.95
XP_010432745.1	CsARF5	90675.XP_010432745.1	90675.XP_010498407.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010432745.1	XP_010477210.1	90675.XP_010432745.1	90675.XP_010477210.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010432745.1	XP_010459661.1	90675.XP_010432745.1	90675.XP_010459661.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010432745.1	XP_010454381.1	90675.XP_010432745.1	90675.XP_010454381.1	0	0	0	0	0	0.913	0.6	0.683	0.988

XP_010437929.1	XP_010413213.1	90675.XP_010437929.1	90675.XP_010413213.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010437929.1	CsARF3	90675.XP_010437929.1	90675.XP_010413793.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010437929.1	CsARF10	90675.XP_010437929.1	90675.XP_010414539.1	0	0	0	0	0	0.225	0	0.303	0.436
XP_010437929.1	CsARF7	90675.XP_010437929.1	90675.XP_010420923.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010437929.1	CsARF9	90675.XP_010437929.1	90675.XP_010433832.1	0	0	0	0.609	0	0.225	0.6	0.342	0.716
XP_010437929.1	XP_010457463.1	90675.XP_010437929.1	90675.XP_010457463.1	0	0	0	0.663	0	0.249	0	0.657	0.411
XP_010437929.1	XP_010483317.1	90675.XP_010437929.1	90675.XP_010483317.1	0	0	0	0.662	0	0.249	0	0.657	0.412
XP_010437929.1	XP_010475075.1	90675.XP_010437929.1	90675.XP_010475075.1	0	0	0	0.658	0	0.249	0	0.657	0.413
XP_010437929.1	CsARF16	90675.XP_010437929.1	90675.XP_010447772.1	0	0	0	0	0	0.225	0	0.391	0.507
XP_010437929.1	CsARF4	90675.XP_010437929.1	90675.XP_010456437.1	0	0	0	0	0	0.249	0	0.448	0.567
XP_010437929.1	CsARF2	90675.XP_010437929.1	90675.XP_010483894.1	0	0	0	0	0	0.259	0	0.587	0.68
XP_010437929.1	CsARF18	90675.XP_010437929.1	90675.XP_010512556.1	0	0	0	0.608	0	0.225	0.6	0.342	0.716
XP_010437929.1	CsARF22	90675.XP_010437929.1	90675.XP_010477432.1	0	0	0	0	0	0.225	0.6	0.342	0.778

XP_010437929.1	CsARF21	90675.XP_010437929.1	90675.XP_010478873.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010437929.1	CsARF1	90675.XP_010437929.1	90675.XP_010511012.1	0	0	0	0	0	0.225	0.6	0.437	0.81
XP_010437929.1	XP_010512696.1	90675.XP_010437929.1	90675.XP_010512696.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010437929.1	CsARF8	90675.XP_010437929.1	90675.XP_010450468.1	0	0	0	0	0	0.845	0	0.583	0.932
XP_010437929.1	CsARF6	90675.XP_010437929.1	90675.XP_010478417.1	0	0	0	0	0	0.855	0	0.672	0.95
XP_010437929.1	XP_010459661.1	90675.XP_010437929.1	90675.XP_010459661.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010437929.1	XP_010477210.1	90675.XP_010437929.1	90675.XP_010477210.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010437929.1	CsARF5	90675.XP_010437929.1	90675.XP_010498407.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010437929.1	XP_010454381.1	90675.XP_010437929.1	90675.XP_010454381.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010447413.1	XP_010413213.1	90675.XP_010447413.1	90675.XP_010413213.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010447413.1	CsARF3	90675.XP_010447413.1	90675.XP_010413793.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010447413.1	CsARF10	90675.XP_010447413.1	90675.XP_010414539.1	0	0	0	0	0	0.225	0	0.303	0.436
XP_010447413.1	CsARF7	90675.XP_010447413.1	90675.XP_010420923.1	0	0	0	0	0	0.913	0.6	0.683	0.988

XP_010447413.1	CsARF9	90675.XP_010447413.1	90675.XP_010433832.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010447413.1	XP_010457463.1	90675.XP_010447413.1	90675.XP_010457463.1	0	0	0	0.647	0	0.249	0	0.657	0.419
XP_010447413.1	XP_010483317.1	90675.XP_010447413.1	90675.XP_010483317.1	0	0	0	0.647	0	0.249	0	0.657	0.419
XP_010447413.1	XP_010475075.1	90675.XP_010447413.1	90675.XP_010475075.1	0	0	0	0.641	0	0.249	0	0.657	0.422
XP_010447413.1	CsARF23	90675.XP_010447413.1	90675.XP_010499991.1	0	0	0	0	0	0.225	0	0.342	0.468
XP_010447413.1	CsARF16	90675.XP_010447413.1	90675.XP_010447772.1	0	0	0	0	0	0.225	0	0.391	0.507
XP_010447413.1	CsARF4	90675.XP_010447413.1	90675.XP_010456437.1	0	0	0	0	0	0.249	0	0.448	0.567
XP_010447413.1	CsARF2	90675.XP_010447413.1	90675.XP_010483894.1	0	0	0	0	0	0.259	0	0.587	0.68
XP_010447413.1	CsARF21	90675.XP_010447413.1	90675.XP_010478873.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010447413.1	CsARF18	90675.XP_010447413.1	90675.XP_010512556.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010447413.1	CsARF22	90675.XP_010447413.1	90675.XP_010477432.1	0	0	0	0	0	0.225	0.6	0.342	0.778
XP_010447413.1	CsARF1	90675.XP_010447413.1	90675.XP_010511012.1	0	0	0	0	0	0.225	0.6	0.437	0.81
XP_010447413.1	XP_010512696.1	90675.XP_010447413.1	90675.XP_010512696.1	0	0	0	0	0	0.199	0.6	0.595	0.858

XP_010447413.1	CsARF8	90675.XP_010447413.1	90675.XP_010450468.1	0	0	0	0	0	0.845	0	0.583	0.932
XP_010447413.1	CsARF6	90675.XP_010447413.1	90675.XP_010478417.1	0	0	0	0	0	0.855	0	0.672	0.95
XP_010447413.1	CsARF5	90675.XP_010447413.1	90675.XP_010498407.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010447413.1	XP_010477210.1	90675.XP_010447413.1	90675.XP_010477210.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010447413.1	XP_010459661.1	90675.XP_010447413.1	90675.XP_010459661.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010447413.1	XP_010454381.1	90675.XP_010447413.1	90675.XP_010454381.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010452952.1	XP_010420501.1	90675.XP_010452952.1	90675.XP_010420501.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991
XP_010452952.1	XP_010422966.1	90675.XP_010452952.1	90675.XP_010422966.1	0	0	0	0.986	0.083	0	0.8	0.778	0.81
XP_010452952.1	XP_010491595.1	90675.XP_010452952.1	90675.XP_010491595.1	0	0	0	0.985	0.083	0	0.8	0.778	0.81
XP_010452952.1	CsRAVL1	90675.XP_010452952.1	90675.XP_010516819.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967
XP_010454381.1	XP_010413213.1	90675.XP_010454381.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010454381.1	XP_010432745.1	90675.XP_010454381.1	90675.XP_010432745.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010454381.1	XP_010437929.1	90675.XP_010454381.1	90675.XP_010437929.1	0	0	0	0	0	0.913	0.6	0.683	0.988

XP_010454381.1	XP_010447413.1	90675.XP_010454381.1	90675.XP_010447413.1	0	0	0	0	0	0.913	0.6	0.683	0.988
XP_010454381.1	CsABI3	90675.XP_010454381.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.439	0.439
XP_010454381.1	XP_010512696.1	90675.XP_010454381.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010454381.1	XP_010459661.1	90675.XP_010454381.1	90675.XP_010459661.1	0	0	0	0.869	0	0.858	0	0.908	0.874
XP_010454381.1	CsARF5	90675.XP_010454381.1	90675.XP_010498407.1	0	0	0	0.863	0	0.858	0	0.908	0.875
XP_010454381.1	XP_010477210.1	90675.XP_010454381.1	90675.XP_010477210.1	0	0	0	0.866	0	0.858	0	0.908	0.875
XP_010454381.1	XP_010475075.1	90675.XP_010454381.1	90675.XP_010475075.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010454381.1	XP_010457463.1	90675.XP_010454381.1	90675.XP_010457463.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010454381.1	XP_010483317.1	90675.XP_010454381.1	90675.XP_010483317.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010457463.1	XP_010413213.1	90675.XP_010457463.1	90675.XP_010413213.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010457463.1	CsARF3	90675.XP_010457463.1	90675.XP_010413793.1	0	0	0	0	0	0.122	0.6	0.439	0.785
XP_010457463.1	CsARF10	90675.XP_010457463.1	90675.XP_010414539.1	0	0	0	0	0	0.249	0	0.67	0.741
XP_010457463.1	CsARF7	90675.XP_010457463.1	90675.XP_010420923.1	0	0	0	0	0	0.851	0.6	0.837	0.989

XP_010457463.1	XP_010432745.1	90675.XP_010457463.1	90675.XP_010432745.1	0	0	0	0.638	0	0.249	0	0.657	0.423
XP_010457463.1	CsARF9	90675.XP_010457463.1	90675.XP_010433832.1	0	0	0	0.619	0	0.227	0.6	0.299	0.71
XP_010457463.1	XP_010437929.1	90675.XP_010457463.1	90675.XP_010437929.1	0	0	0	0.663	0	0.249	0	0.657	0.411
XP_010457463.1	XP_010447413.1	90675.XP_010457463.1	90675.XP_010447413.1	0	0	0	0.647	0	0.249	0	0.657	0.419
XP_010457463.1	CsARF16	90675.XP_010457463.1	90675.XP_010447772.1	0	0	0	0	0	0.122	0	0.67	0.697
XP_010457463.1	CsARF8	90675.XP_010457463.1	90675.XP_010450468.1	0	0	0	0	0.065	0.845	0	0.593	0.935
XP_010457463.1	XP_010454381.1	90675.XP_010457463.1	90675.XP_010454381.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010457463.1	CsARF4	90675.XP_010457463.1	90675.XP_010456437.1	0	0	0	0	0	0.845	0	0.305	0.887
XP_010457463.1	CsRAV1.1	90675.XP_010457463.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.589	0.589
XP_010457463.1	CsRAV1.2	90675.XP_010457463.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.589	0.589
XP_010457463.1	CsARF22	90675.XP_010457463.1	90675.XP_010477432.1	0	0	0	0.609	0	0.227	0.6	0.299	0.711
XP_010457463.1	CsARF2	90675.XP_010457463.1	90675.XP_010483894.1	0	0	0	0	0	0.267	0	0.685	0.759
XP_010457463.1	CsARF21	90675.XP_010457463.1	90675.XP_010478873.1	0	0	0	0	0	0.227	0.6	0.299	0.764

XP_010457463.1	CsARF1	90675.XP_010457463.1	90675.XP_010511012.1	0	0	0	0	0	0.242	0.6	0.359	0.788
XP_010457463.1	CsARF11	90675.XP_010457463.1	90675.XP_010508005.1	0	0	0	0.611	0	0.843	0	0.242	0.855
XP_010457463.1	CsARF6	90675.XP_010457463.1	90675.XP_010478417.1	0	0	0	0.62	0	0.848	0	0.682	0.886
XP_010457463.1	CsARF18	90675.XP_010457463.1	90675.XP_010512556.1	0	0	0	0	0	0.843	0.6	0.242	0.948
XP_010457463.1	XP_010459661.1	90675.XP_010457463.1	90675.XP_010459661.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010457463.1	CsARF5	90675.XP_010457463.1	90675.XP_010498407.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010457463.1	XP_010477210.1	90675.XP_010457463.1	90675.XP_010477210.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010457463.1	XP_010512696.1	90675.XP_010457463.1	90675.XP_010512696.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010459661.1	XP_010413213.1	90675.XP_010459661.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010459661.1	CsARF7	90675.XP_010459661.1	90675.XP_010420923.1	0	0	0	0.867	0	0.858	0	0.908	0.875
XP_010459661.1	XP_010432745.1	90675.XP_010459661.1	90675.XP_010432745.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010459661.1	XP_010437929.1	90675.XP_010459661.1	90675.XP_010437929.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010459661.1	XP_010447413.1	90675.XP_010459661.1	90675.XP_010447413.1	0	0	0	0	0	0.845	0.6	0.576	0.971

XP_010459661.1	XP_010454381.1	90675.XP_010459661.1	90675.XP_010454381.1	0	0	0	0.869	0	0.858	0	0.908	0.874
XP_010459661.1	XP_010457463.1	90675.XP_010459661.1	90675.XP_010457463.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010459661.1	CsLEC2	90675.XP_010459661.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.438	0.438
XP_010459661.1	XP_010512696.1	90675.XP_010459661.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010459661.1	XP_010475075.1	90675.XP_010459661.1	90675.XP_010475075.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010459661.1	XP_010483317.1	90675.XP_010459661.1	90675.XP_010483317.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010475075.1	XP_010413213.1	90675.XP_010475075.1	90675.XP_010413213.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010475075.1	CsARF3	90675.XP_010475075.1	90675.XP_010413793.1	0	0	0	0	0	0.122	0.6	0.439	0.785
XP_010475075.1	CsARF10	90675.XP_010475075.1	90675.XP_010414539.1	0	0	0	0	0	0.249	0	0.67	0.741
XP_010475075.1	CsARF7	90675.XP_010475075.1	90675.XP_010420923.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010475075.1	XP_010432745.1	90675.XP_010475075.1	90675.XP_010432745.1	0	0	0	0.631	0	0.249	0	0.657	0.426
XP_010475075.1	CsARF9	90675.XP_010475075.1	90675.XP_010433832.1	0	0	0	0.617	0	0.227	0.6	0.299	0.71
XP_010475075.1	XP_010437929.1	90675.XP_010475075.1	90675.XP_010437929.1	0	0	0	0.658	0	0.249	0	0.657	0.413

XP_010475075.1	XP_010447413.1	90675.XP_010475075.1	90675.XP_010447413.1	0	0	0	0.641	0	0.249	0	0.657	0.422
XP_010475075.1	CsARF16	90675.XP_010475075.1	90675.XP_010447772.1	0	0	0	0	0	0.122	0	0.67	0.697
XP_010475075.1	CsARF8	90675.XP_010475075.1	90675.XP_010450468.1	0	0	0	0	0.065	0.845	0	0.593	0.935
XP_010475075.1	XP_010454381.1	90675.XP_010475075.1	90675.XP_010454381.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010475075.1	CsARF4	90675.XP_010475075.1	90675.XP_010456437.1	0	0	0	0	0	0.845	0	0.305	0.887
XP_010475075.1	XP_010459661.1	90675.XP_010475075.1	90675.XP_010459661.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010475075.1	CsRAV1.2	90675.XP_010475075.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.589	0.589
XP_010475075.1	CsRAV1.1	90675.XP_010475075.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.589	0.589
XP_010475075.1	CsARF22	90675.XP_010475075.1	90675.XP_010477432.1	0	0	0	0.609	0	0.227	0.6	0.299	0.711
XP_010475075.1	CsARF2	90675.XP_010475075.1	90675.XP_010483894.1	0	0	0	0	0	0.267	0	0.685	0.759
XP_010475075.1	CsARF21	90675.XP_010475075.1	90675.XP_010478873.1	0	0	0	0	0	0.227	0.6	0.299	0.764
XP_010475075.1	CsARF1	90675.XP_010475075.1	90675.XP_010511012.1	0	0	0	0	0	0.242	0.6	0.359	0.788
XP_010475075.1	CsARF11	90675.XP_010475075.1	90675.XP_010508005.1	0	0	0	0.619	0	0.843	0	0.242	0.855

XP_010475075.1	CsARF6	90675.XP_010475075.1	90675.XP_010478417.1	0	0	0	0.619	0	0.848	0	0.682	0.886
XP_010475075.1	CsARF18	90675.XP_010475075.1	90675.XP_010512556.1	0	0	0	0	0	0.843	0.6	0.242	0.948
XP_010475075.1	XP_010477210.1	90675.XP_010475075.1	90675.XP_010477210.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010475075.1	CsARF5	90675.XP_010475075.1	90675.XP_010498407.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010475075.1	XP_010512696.1	90675.XP_010475075.1	90675.XP_010512696.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010477210.1	XP_010413213.1	90675.XP_010477210.1	90675.XP_010413213.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010477210.1	CsARF7	90675.XP_010477210.1	90675.XP_010420923.1	0	0	0	0.863	0	0.858	0	0.908	0.875
XP_010477210.1	XP_010432745.1	90675.XP_010477210.1	90675.XP_010432745.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010477210.1	XP_010437929.1	90675.XP_010477210.1	90675.XP_010437929.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010477210.1	XP_010447413.1	90675.XP_010477210.1	90675.XP_010447413.1	0	0	0	0	0	0.845	0.6	0.576	0.971
XP_010477210.1	XP_010454381.1	90675.XP_010477210.1	90675.XP_010454381.1	0	0	0	0.866	0	0.858	0	0.908	0.875
XP_010477210.1	XP_010457463.1	90675.XP_010477210.1	90675.XP_010457463.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010477210.1	CsLEC2	90675.XP_010477210.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.438	0.438

XP_010477210.1	XP_010475075.1	90675.XP_010477210.1	90675.XP_010475075.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010477210.1	XP_010512696.1	90675.XP_010477210.1	90675.XP_010512696.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010477210.1	XP_010483317.1	90675.XP_010477210.1	90675.XP_010483317.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010483317.1	XP_010413213.1	90675.XP_010483317.1	90675.XP_010413213.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010483317.1	CsARF3	90675.XP_010483317.1	90675.XP_010413793.1	0	0	0	0	0	0.122	0.6	0.439	0.785
XP_010483317.1	CsARF10	90675.XP_010483317.1	90675.XP_010414539.1	0	0	0	0	0	0.249	0	0.67	0.741
XP_010483317.1	CsARF7	90675.XP_010483317.1	90675.XP_010420923.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010483317.1	XP_010432745.1	90675.XP_010483317.1	90675.XP_010432745.1	0	0	0	0.636	0	0.249	0	0.657	0.424
XP_010483317.1	CsARF9	90675.XP_010483317.1	90675.XP_010433832.1	0	0	0	0.619	0	0.227	0.6	0.299	0.71
XP_010483317.1	XP_010437929.1	90675.XP_010483317.1	90675.XP_010437929.1	0	0	0	0.662	0	0.249	0	0.657	0.412
XP_010483317.1	XP_010447413.1	90675.XP_010483317.1	90675.XP_010447413.1	0	0	0	0.647	0	0.249	0	0.657	0.419
XP_010483317.1	CsARF16	90675.XP_010483317.1	90675.XP_010447772.1	0	0	0	0	0	0.122	0	0.67	0.697
XP_010483317.1	CsARF8	90675.XP_010483317.1	90675.XP_010450468.1	0	0	0	0	0.065	0.845	0	0.593	0.935

XP_010483317.1	XP_010454381.1	90675.XP_010483317.1	90675.XP_010454381.1	0	0	0	0	0	0.851	0.6	0.837	0.989
XP_010483317.1	CsARF4	90675.XP_010483317.1	90675.XP_010456437.1	0	0	0	0	0	0.845	0	0.305	0.887
XP_010483317.1	XP_010459661.1	90675.XP_010483317.1	90675.XP_010459661.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010483317.1	CsRAV1.1	90675.XP_010483317.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.589	0.589
XP_010483317.1	XP_010477210.1	90675.XP_010483317.1	90675.XP_010477210.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010483317.1	CsARF22	90675.XP_010483317.1	90675.XP_010477432.1	0	0	0	0	0	0.227	0.6	0.299	0.764
XP_010483317.1	CsARF6	90675.XP_010483317.1	90675.XP_010478417.1	0	0	0	0.62	0	0.848	0	0.682	0.886
XP_010483317.1	CsARF21	90675.XP_010483317.1	90675.XP_010478873.1	0	0	0	0	0	0.227	0.6	0.299	0.764
XP_010483317.1	CsRAV1.2	90675.XP_010483317.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.589	0.589
XP_010483317.1	CsARF2	90675.XP_010483317.1	90675.XP_010483894.1	0	0	0	0	0	0.267	0	0.685	0.759
XP_010483317.1	CsARF1	90675.XP_010483317.1	90675.XP_010511012.1	0	0	0	0	0	0.242	0.6	0.359	0.788
XP_010483317.1	CsARF11	90675.XP_010483317.1	90675.XP_010508005.1	0	0	0	0.611	0	0.843	0	0.242	0.855
XP_010483317.1	CsARF18	90675.XP_010483317.1	90675.XP_010512556.1	0	0	0	0	0	0.843	0.6	0.242	0.948

XP_010483317.1	CsARF5	90675.XP_010483317.1	90675.XP_010498407.1	0	0	0	0	0	0.911	0.6	0.853	0.994
XP_010483317.1	XP_010512696.1	90675.XP_010483317.1	90675.XP_010512696.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010491595.1	XP_010420501.1	90675.XP_010491595.1	90675.XP_010420501.1	0.089	0	0	0	0.822	0.645	0.604	0.672	0.991
XP_010491595.1	XP_010422966.1	90675.XP_010491595.1	90675.XP_010422966.1	0	0	0	0.985	0.083	0	0.8	0.778	0.81
XP_010491595.1	XP_010452952.1	90675.XP_010491595.1	90675.XP_010452952.1	0	0	0	0.985	0.083	0	0.8	0.778	0.81
XP_010491595.1	CsRAVL1	90675.XP_010491595.1	90675.XP_010516819.1	0	0	0	0	0.186	0.678	0.639	0.693	0.967
XP_010492113.1	CsARF10	90675.XP_010492113.1	90675.XP_010414539.1	0	0	0	0	0	0	0	0.453	0.453
XP_010492113.1	XP_010419933.1	90675.XP_010492113.1	90675.XP_010419933.1	0	0	0	0.988	0.046	0.222	0.361	0.099	0.484
XP_010492113.1	CsABI3	90675.XP_010492113.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.673	0.673
XP_010492113.1	XP_010516839.1	90675.XP_010492113.1	90675.XP_010516839.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010492113.1	XP_010509494.1	90675.XP_010492113.1	90675.XP_010509494.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010492113.1	XP_010505159.1	90675.XP_010492113.1	90675.XP_010505159.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010505159.1	XP_010419933.1	90675.XP_010505159.1	90675.XP_010419933.1	0	0	0	0	0	0.913	0	0.891	0.99

XP_010505159.1	CsFUS3	90675.XP_010505159.1	90675.XP_010425402.1	0	0	0	0	0	0.227	0	0.695	0.754
XP_010505159.1	CsLEC2	90675.XP_010505159.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.596	0.596
XP_010505159.1	CsRAVL5	90675.XP_010505159.1	90675.XP_010461945.1	0	0	0	0	0	0.227	0	0.28	0.419
XP_010505159.1	CsRAVL4	90675.XP_010505159.1	90675.XP_010463359.1	0	0	0	0	0	0.227	0	0.28	0.419
XP_010505159.1	CsRAV1.1	90675.XP_010505159.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.49	0.489
XP_010505159.1	CsARF2	90675.XP_010505159.1	90675.XP_010483894.1	0	0	0	0	0	0.073	0	0.515	0.531
XP_010505159.1	XP_010492113.1	90675.XP_010505159.1	90675.XP_010492113.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010505159.1	CsRAV1.2	90675.XP_010505159.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.49	0.489
XP_010505159.1	CsABI3	90675.XP_010505159.1	90675.XP_010513655.1	0	0	0	0	0	0.845	0	0.926	0.988
XP_010509494.1	XP_010419933.1	90675.XP_010509494.1	90675.XP_010419933.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010509494.1	CsFUS3	90675.XP_010509494.1	90675.XP_010425402.1	0	0	0	0	0	0.227	0	0.695	0.754
XP_010509494.1	CsLEC2	90675.XP_010509494.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.596	0.596
XP_010509494.1	CsRAVL5	90675.XP_010509494.1	90675.XP_010461945.1	0	0	0	0	0	0.227	0	0.28	0.419

XP_010509494.1	CsRAVL4	90675.XP_010509494.1	90675.XP_010463359.1	0	0	0	0	0	0.227	0	0.28	0.419
XP_010509494.1	CsRAV1.1	90675.XP_010509494.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.49	0.489
XP_010509494.1	CsARF2	90675.XP_010509494.1	90675.XP_010483894.1	0	0	0	0	0	0.073	0	0.515	0.531
XP_010509494.1	XP_010492113.1	90675.XP_010509494.1	90675.XP_010492113.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010509494.1	CsRAV1.2	90675.XP_010509494.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.49	0.489
XP_010509494.1	CsABI3	90675.XP_010509494.1	90675.XP_010513655.1	0	0	0	0	0	0.845	0	0.926	0.988
XP_010512696.1	XP_010413213.1	90675.XP_010512696.1	90675.XP_010413213.1	0	0	0	0.987	0	0	0.8	0	0.8
XP_010512696.1	CsARF3	90675.XP_010512696.1	90675.XP_010413793.1	0	0	0	0	0	0.064	0	0.581	0.591
XP_010512696.1	CsARF10	90675.XP_010512696.1	90675.XP_010414539.1	0	0	0	0	0	0.064	0	0.758	0.763
XP_010512696.1	CsARF7	90675.XP_010512696.1	90675.XP_010420923.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010512696.1	XP_010432745.1	90675.XP_010512696.1	90675.XP_010432745.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010512696.1	CsARF9	90675.XP_010512696.1	90675.XP_010433832.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010512696.1	XP_010437929.1	90675.XP_010512696.1	90675.XP_010437929.1	0	0	0	0	0	0.199	0.6	0.595	0.858

XP_010512696.1	XP_010447413.1	90675.XP_010512696.1	90675.XP_010447413.1	0	0	0	0	0	0.199	0.6	0.595	0.858
XP_010512696.1	CsARF16	90675.XP_010512696.1	90675.XP_010447772.1	0	0	0	0	0	0.064	0	0.692	0.699
XP_010512696.1	CsARF8	90675.XP_010512696.1	90675.XP_010450468.1	0	0	0	0	0	0.064	0	0.816	0.82
XP_010512696.1	XP_010454381.1	90675.XP_010512696.1	90675.XP_010454381.1	0	0	0	0	0	0.064	0	0.846	0.849
XP_010512696.1	CsARF4	90675.XP_010512696.1	90675.XP_010456437.1	0	0	0	0	0	0.064	0	0.57	0.58
XP_010512696.1	XP_010457463.1	90675.XP_010512696.1	90675.XP_010457463.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010512696.1	XP_010459661.1	90675.XP_010512696.1	90675.XP_010459661.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010512696.1	CsARF17	90675.XP_010512696.1	90675.XP_010471984.1	0	0	0	0	0	0.064	0	0.662	0.67
XP_010512696.1	XP_010475075.1	90675.XP_010512696.1	90675.XP_010475075.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010512696.1	XP_010477210.1	90675.XP_010512696.1	90675.XP_010477210.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010512696.1	CsARF22	90675.XP_010512696.1	90675.XP_010477432.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010512696.1	CsARF6	90675.XP_010512696.1	90675.XP_010478417.1	0	0	0	0	0	0.064	0	0.789	0.794
XP_010512696.1	CsARF21	90675.XP_010512696.1	90675.XP_010478873.1	0	0	0	0	0	0.064	0	0.545	0.555

XP_010512696.1	XP_010483317.1	90675.XP_010512696.1	90675.XP_010483317.1	0	0	0	0	0	0.867	0.6	0.919	0.995
XP_010512696.1	CsARF2	90675.XP_010512696.1	90675.XP_010483894.1	0	0	0	0	0	0.064	0	0.746	0.752
XP_010512696.1	CsARF5	90675.XP_010512696.1	90675.XP_010498407.1	0	0	0	0	0	0.064	0	0.793	0.797
XP_010512696.1	CsARF23	90675.XP_010512696.1	90675.XP_010499991.1	0	0	0	0	0	0.064	0	0.545	0.555
XP_010512696.1	CsABI3	90675.XP_010512696.1	90675.XP_010513655.1	0	0	0	0	0	0	0	0.58	0.58
XP_010516839.1	XP_010419933.1	90675.XP_010516839.1	90675.XP_010419933.1	0	0	0	0	0	0.913	0	0.891	0.99
XP_010516839.1	CsFUS3	90675.XP_010516839.1	90675.XP_010425402.1	0	0	0	0	0	0.227	0	0.695	0.754
XP_010516839.1	CsLEC2	90675.XP_010516839.1	90675.XP_010460616.1	0	0	0	0	0	0	0	0.596	0.596
XP_010516839.1	CsRAVL5	90675.XP_010516839.1	90675.XP_010461945.1	0	0	0	0	0	0.227	0	0.28	0.419
XP_010516839.1	CsRAVL4	90675.XP_010516839.1	90675.XP_010463359.1	0	0	0	0	0	0.227	0	0.28	0.419
XP_010516839.1	CsRAV1.1	90675.XP_010516839.1	90675.XP_010476321.1	0	0	0	0	0	0	0	0.49	0.489
XP_010516839.1	CsARF2	90675.XP_010516839.1	90675.XP_010483894.1	0	0	0	0	0	0.073	0	0.515	0.531
XP_010516839.1	XP_010492113.1	90675.XP_010516839.1	90675.XP_010492113.1	0	0	0	0	0	0.913	0	0.891	0.99

XP_010516839.1	CsRAV1.2	90675.XP_010516839.1	90675.XP_010502448.1	0	0	0	0	0	0	0	0.49	0.489
XP_010516839.1	CsABI3	90675.XP_010516839.1	90675.XP_010513655.1	0	0	0	0	0	0.845	0	0.926	0.988