

SUMMARY MATRIX – EXCEPT rules

S1 clause	S2 clause
10. <nothing> 11. TABLE s1.parent 12. TABLE ONLY s1.parent 13. TABLE s1.child1 14. TABLE s1.other 15. TABLES IN SCHEMA s1 16. TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent) 17. TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent) 18. TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1) 19. TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	20. <nothing> 21. TABLE s2.child2 22. TABLE s2.other 23. TABLES IN SCHEMA s2 24. TABLES IN SCHEMA s2 EXCEPT (s2.child2) 25. TABLES IN SCHEMA s2 EXCEPT (s2.other)
Combinations Combos = s1 x s2, Also = s1 x s1 Repeat all combinations for Table Inheritance and for Partitioning (there are 2 matrices)	
KEY • X = not published (normal) • ✗ = not published (because explicit exclusion) • ✓ = published • (cascaded inclusions/exclusion from parent) • ERR = invalid Combinations can be easily referred to by the numbers above. E.g. “combo14x22”=” TABLE s1.other, TABLE s2.other”	Diagram: The diagram illustrates two schemas, S1 and S2, each enclosed in an oval. S1 contains three stacked rectangular boxes labeled 'parent', 'child1', and 'other'. S2 contains two stacked rectangular boxes labeled 'child2' and 'other'. A solid black line connects the 'parent' box in S1 to the 'child2' box in S2, representing a relationship or inheritance between the two tables.

Matrix for Publication -- Table Inheritance and EXCEPT

RULES

- A. EXCEPT clause associated with a ALL TABLES IN SCHEMA **does not** follow the inheritance hierarchy across schema boundaries. It only excludes the parent and its descendants selected through that schema. (same as HEAD inclusion does not cross schemas)
- B. An explicitly mentioned child is allowed and takes precedence over an inclusion/exclusion inherited through the parent.

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
10	20	<nothing>	<nothing>	X	X	X	X	X	nothing
10	21		TABLE s2.child2	X	X	X	✓	X	Explicit s2.child2
10	22		TABLE s2.other	X	X	X	X	✓	Explicit s2.other
10	23		TABLES IN SCHEMA s2	X	X	X	✓	✓	All tables in specified s2
10	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	X	X	X	✗	✓	All tables in s2, but S2.child2 explicit exclusion
10	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	X	X	✓	✗	All tables in s2, but S2.other explicit exclusion
10	11		TABLE s1.parent	✓	✓	X	✓	X	Explicit S1.parent cascade to all children across schema
10	12		TABLE ONLY s1.parent	✓	X	X	X	X	Explicit S1.parent ONLY does not cascade
10	13		TABLE s1.child1	X	✓	X	X	X	Add explicit s1.child1
10	14		TABLE s1.other	X	X	✓	X	X	Add explicit s1.other
10	15		TABLES IN SCHEMA s1	✓	✓	✓	X	X	Add all tables of s1. The s1.parent does not cascade to other schemas
10	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	✗	✗	✓	X	X	Add all table of S1. But not s1.parent or its children
10	17		TABLES IN SCHMEA s1 EXCEPT (TABLE ONLY s1.parent)	✗	✓	✓	X	X	Add all table of S1. But not s1.parent or its children
10	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	✓	✗	✓	X	X	Add all table of S1. But not s1.child1

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
10	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	X	X	Add all table of S1. But not s1.other
11	20	TABLE s1.parent	<nothing>	✓	✓	X	✓	X	S1.parent cascades to children across schemas
11	21		TABLE s2.child2	✓	✓	X	✓	X	S1.parent cascades to children across schemas; S2.child2 would have been included by cascade anyhow
11	22		TABLE s2.other	✓	✓	X	✓	✓	S1.parent cascades to children across schemas. S2.other is explicit
11	23		TABLES IN SCHEMA s2	✓	✓	X	✓	✓	S1.parent cascades to children across schemas; All tables in schema s2
11	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✓	✓	X	✗	✓	S1.parent cascades to children across schemas; All tables in schema s2 except explicit exclusion
11	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	X	✓	✗	S1.parent cascades to children across schemas; All tables in schema s2 except explicit exclusion
11	11		TABLE s1.parent	✓	✓	X	✓	X	S1.parent cascades to children across schemas. Naming same table twice is OK afaiak
11	12		TABLE ONLY s1.parent	✓	✓	X	✓	X	BUG? – I felt it should give error because of ONLY clash, but currently there is a “first-one-wins” behaviour. I have posted a new thread about it -- “ Publication of same parent table with ONLY-ness mismatch should error ”
11	13		TABLE s1.child1	✓	✓	X	✓	X	S1.parent cascades to children across schemas. Naming s1.child1 again is harmless
11	14		TABLE s1.other	✓	✓	✓	✓	X	S1.parent cascades to children across schemas. Add s1.other
11	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	S1.parent cascades to children across schemas. Including all s1 schema tables should be harmless.
11	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude
11	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
									(The ONLY does matter because the parent is already clashed)
11	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	✓	✗	✓	✓	X	S1.parent cascades to children across schemas. Add all tables of s1, but the s1.child1 is removed so explicit child mention takes precedence
11	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	✓	X	S1.parent cascades to children across schemas. Add all tables of s1 but not s1.other
12	20	TABLE ONLY s1.parent	<nothing>	✓	X	X	X	X	S1.parent – no cascade anywhere.
12	21		TABLE s2.child2	✓	X	X	✓	X	S1.parent – no cascade anywhere. Add explicit s2.child
12	22		TABLE s2.other	✓	X	X	X	✓	S1.parent – no cascade anywhere. Add explicit s2.other
12	23		TABLES IN SCHEMA s2	✓	X	X	✓	✓	S1.parent – no cascade anywhere. Add all tables of s2
12	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✓	X	X	✗	✓	S1.parent – no cascade anywhere. Add all tables of s2, not s2.child2
12	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	X	X	✓	✗	S1.parent – no cascade anywhere. Add all tables of s2, not s2.other
12	11		TABLE s1.parent	✓	X	X	X	X	BUG? – I felt it should give error because of ONLY clash, but currently there is a “first-one-wins” behaviour. I have posted a new thread about it -- “ Publication of same parent table with ONLY-ness mismatch should error ”
12	12		TABLE ONLY s1.parent	✓	X	X	X	X	S1.parent – no cascade anywhere. Repeating table should be harmless
12	13		TABLE s1.child1	✓	✓	X	X	X	S1.parent – no cascade anywhere. S1.child1 added explicitly
12	14		TABLE s1.other	✓	X	✓	X	X	S1.parent – no cascade anywhere. S1.other added explicitly
12	15		TABLES IN SCHEMA s1	✓	✓	✓	X	X	S1.parent – no cascade anywhere. Add all s1 schema tables anyway
12	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
12	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude
12	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	✓	✗	✓	X	X	S1.parent – no cascade anywhere. Add all tables of s1 but not s1.child1
12	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	X	X	S1.parent – no cascade anywhere. Add all tables of s1 but not s1.other
13	20	TABLE s1.child1	<nothing>	X	✓	X	X	X	Explicit s1.child1. Nothing else
13	21		TABLE s2.child2	X	✓	X	✓	X	Explicit s1.child1. Add s2.child
13	22		TABLE s2.other	X	✓	X	X	✓	Explicit s1.child1. Add s2.other
13	23		TABLES IN SCHEMA s2	X	✓	X	✓	✓	Explicit s1.child1. Add all tables of schema s2
13	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	X	✓	X	✗	✓	Explicit s1.child1. Add all tables of schema s2, not s2.child2
13	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	✓	X	✓	✗	Explicit s1.child1. Add all tables of schema s2, not s2.other
13	11		TABLE s1.parent	✓	✓	X	✓	X	Explicit s1.child1. Add s1.parent cascades to all children across schema; repeating the child1 should be harmless
13	12		TABLE ONLY s1.parent	✓	✓	X	X	X	Explicit s1.child1. Add s1.parent does not cascade to children
13	13		TABLE s1.child1	X	✓	X	X	X	Repeating same table is harmless
13	14		TABLE s1.other	X	✓	✓	X	X	Normal 2 tables
13	15		TABLES IN SCHEMA s1	✓	✓	✓	X	X	Explicit s1.child1. Absorbed into schema s1 all tables anyway
13	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	✗	✓	✓	X	X	Explicit s1.child1. Then all s1 tables except s1.parent and children. Since explicitly mentioned the s1.child takes precedence for inclusion
13	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	✗	✓	✓	X	X	Explicit s1.child1. All s1 tables but not s1.parent
13	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of s1.child1 include/exclude
13	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	X	X	Explicit s1.child. Absorbed into schema s1 all tables anyway, remove s1.other
14	20	TABLE s1.other	<nothing>	X	X	✓	X	X	Explicit s1.other. Nothing else
14	21		TABLE s2.child2	X	X	✓	✓	X	Explicit s1.other. Add s2.child

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
14	22		TABLE s2.other	X	X	✓	X	✓	Explicit s1.other. Add s2.other
14	23		TABLES IN SCHEMA s2	X	X	✓	✓	✓	Explicit s1.other. Add all tables of schema s2
14	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	X	X	✓	✗	✓	Explicit s1.other. Add all tables of schema s2, not s2.child2
14	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	X	✓	✓	✗	Explicit s1.other. Add all tables of schema s2, not s2.other
14	11		TABLE s1.parent	✓	✓	✓	✓	X	Explicit s1.other. s1.parent cascades to all children across schemas
14	12		TABLE ONLY s1.parent	✓	X	✓	X	X	Explicit s1.other. Add s1.parent
14	13		TABLE s1.child1	X	✓	✓	X	X	Explicit s1.other. Add s1.child1
14	14		TABLE s1.other	X	X	✓	X	X	Explicit s1.other. Repeat same table is ok
14	15		TABLES IN SCHEMA s1	✓	✓	✓	X	X	Explicit s1.other. All tables in s1 absorbs that
14	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	✗	✗	✓	X	X	Explicit s1.other. All tables of s1 but not s1.parent or children
14	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	✗	✓	✓	X	X	Explicit s1.other. All tables of s1 but not s1.parent
14	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	✓	✗	✓	X	X	Explicit s1.other. All tables of s1 but not s1.child1
14	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of s1.other include/exclude
15	20	TABLES IN SCHEMA s1	<nothing>	✓	✓	✓	X	X	All tables in schema s1. The s1.parent does not cascade to s2. Nothing from s2.
15	21		TABLE s2.child2	✓	✓	✓	✓	X	All tables in schema s1. The s1.parent does not cascade to s2. Add explicit s2.child2
15	22		TABLE s2.other	✓	✓	✓	X	✓	All tables in schema s1. The s1.parent does not cascade to s2. Add explicit S2.other
15	23		TABLES IN SCHEMA s2	✓	✓	✓	✓	✓	All tables in schema s1. The s1.parent does not cascade to s2. Add all tables of s2
15	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✓	✓	✓	✗	✓	All tables in schema s1. The s1.parent does not cascade to s2. Add all tables of s2, not s2.child2
15	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	✓	✓	✗	All tables in schema s1. The s1.parent does not cascade to s2. Add all tables of s2, not s2.other

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
15	11		TABLE s1.parent	✓	✓	✓	✓	X	All tables in schema s1. The s1.parent does not cascade to s2. But explicit s1.parent does cause cascade to s2.child
15	12		TABLE ONLY s1.parent	✓	✓	✓	X	X	All tables in schema s1. The s1.parent does not cascade to s2. Explicit s1.parent ONLY just absorbed
15	13		TABLE s1.child1	✓	✓	✓	X	X	All tables in schema s1. The s1.parent does not cascade to s2. Explicit s1.child1 just absorbed
15	14		TABLE s1.other	✓	✓	✓	X	X	All tables in schema s1. The s1.parent does not cascade to s2. Explicit s1.other just absorbed
15	15		TABLES IN SCHEMA s1	✓	✓	✓	X	X	All tables in schema s1. The s1.parent does not cascade to s2. Repeat same should be harmless
15	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
15	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
15	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
15	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	20	TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	<nothing>	✗	✗	✓	X	X	All tables of s1, not the parent or children in s1 Nothing from s2
16	21		TABLE s2.child2	✗	✗	✓	✓	X	All tables of s1, not the parent or children in s1 Add explicit s2.child2
16	22		TABLE s2.other	✗	✗	✓	X	✓	All tables of s1, not the parent or children in s1 Add explicit s2.other
16	23		TABLES IN SCHEMA s2	✗	✗	✓	✓	✓	All tables of s1, not the parent or children in s1 All tables of s2
16	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✗	✗	✓	✗	✓	All tables of s1, not the parent or children in s1 All tables of s2, but not s2.child
16	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✗	✗	✓	✓	✗	All tables of s1, not the parent or children in s1 All tables of s2, but not s2.other
16	11		TABLE s1.parent	ERR	ERR	ERR	ERR	ERR	Direct clash of exclude/include s1.parent
16	12		TABLE ONLY s1.parent	ERR	ERR	ERR	ERR	ERR	Direct clash of exclude/include s1.parent

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
16	13		TABLE s1.child1	✗	✓	✓	X	X	All tables of s1, not the parent or children in s1 But s1.child1 is explicitly added back in
16	14		TABLE s1.other	✗	✗	✓	X	X	All tables of s1, not the parent or children in s1 Also s1.other is already in s1.
16	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause (even when they are same)
16	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
17	20	TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	<nothing>	✗	✓	✓	X	X	All tables of s1, not the parent, but children ok Nothing from s2
17	21		TABLE s2.child2	✗	✓	✓	✓	X	All tables of s1, not the parent, but children ok Add explicit s2.child2
17	22		TABLE s2.other	✗	✓	✓	X	✓	All tables of s1, not the parent, but children ok Add explicit s2.other
17	23		TABLES IN SCHEMA s2	✗	✓	✓	✓	✓	All tables of s1, not the parent, but children ok All tables of s2
17	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✗	✓	✓	✗	✓	All tables of s1, not the parent, but children ok All tables of s2, but not s2.child
17	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✗	✓	✓	✓	✗	All tables of s1, not the parent, but children ok All tables of s2, but not s2.other
17	11		TABLE s1.parent	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude s1.parent
17	12		TABLE ONLY s1.parent	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude s1.parent
17	13		TABLE s1.child1	✗	✓	✓	X	X	All tables of s1, not the parent, but children ok S1.child1 is in s1 anyway
17	14		TABLE s1.other	✗	✓	✓	X	X	All tables of s1, not the parent, but children ok S1.other is in s1 anyway
17	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses
17	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
17	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when they are the same)
17	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses
17	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses
18	20	TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	<nothing>	✓	✗	✓	X	X	All tables of s1 but not s1.child1 Nothing from s2
18	21		TABLE s2.child2	✓	✗	✓	✓	X	All tables of s1 but not s1.child1 Add explicit s2.child2
18	22		TABLE s2.other	✓	✗	✓	X	✓	All tables of s1 but not s1.child1 Add explicit s2.other
18	23		TABLES IN SCHEMA s2	✓	✗	✓	✓	✓	All tables of s1 but not s1.child1 Add all tables of s2
18	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✓	✗	✓	✗	✓	All tables of s1 but not s1.child1 Add all tables of s2, not child2
18	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✗	✓	✓	✗	All tables of s1 but not s1.child1
18	11		TABLE s1.parent	✓	✗	✓	✓	X	All tables of s1 but not s1.child1. But explicit s1.parent causes cascading of s2.child2 inclusion?
18	12		TABLE ONLY s1.parent	✓	✗	✓	X	X	All tables of s1 but not s1.child1 The only s1.parent is in s1 anyway.
18	13		TABLE s1.child1	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude s1.child1
18	14		TABLE s1.other	✓	✗	✓	X	X	All tables of s1 but not s1.child1 S1.other is already in s1
18	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of the s1 EXCEPT clause
18	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of the s1 EXCEPT clause
18	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of the s1 EXCEPT clause
18	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when they are the same)
18	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of the s1 EXCEPT clause
19	20		<nothing>	✓	✓	✗	X	X	All tables of s1 but not s1.other Nothing from s2

combo		Publication clauses		S1. parent	S1. child1	S1. other	S2. child2	S2. other	Notes
19	21	TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	TABLE s2.child2	✓	✓	✗	✓	X	All tables of s1 but not s1.other Add explicit s2.child2
19	22		TABLE s2.other	✓	✓	✗	X	✓	All tables of s1 but not s1.other Add explicit s2.other
19	23		TABLES IN SCHEMA s2	✓	✓	✗	✓	✓	All tables of s1 but not s1.other Add tables of s2
19	24		TABLES IN SCHEMA s2 EXCEPT (s2.child2)	✓	✓	✗	✗	✓	All tables of s1 but not s1.other Add tables of s2, not s2.child2
19	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	✗	✓	✗	All tables of s1 but not s1.other Add tables of s2, not s2.other
19	11		TABLE s1.parent	✓	✓	✗	✓	X	All tables of s1 but not s1.other S1.parent cascades to children in all schema
19	12		TABLE ONLY s1.parent	✓	✓	✗	X	X	All tables of s1 but not s1.other S1.parent include but that is already in schema s1.
19	13		TABLE s1.child1	✓	✓	✗	X	X	All tables of s1 but not s1.other The s1.child1 is already in schema s1
19	14		TABLE s1.other	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude for s1.other
19	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.parent)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.child1)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when they are the same)

Matrix for publication -- Partitioning and EXCEPT

Uses same combinations and same structure as table inheritance matrix

- S1.root (instead of s1.parent)
- Partitions s1.part1, s2.part2 (instead of descendants s1.child, s2.child2)

Differences from table inheritance are highlighted. Mainly these are due to

1. TABLES IN SCHEMA will cascade to partitions in other schemas (table inheritance stops at s1)
2. TABLE ONLY is ignored for partition tables
3. "EXCEPT (TABLE partition)" is not allowed, whereas "EXCEPT (TABLE child)" is.

RULES

- A. By default, mentioning a 'partition root 'means that its entire partition tree is included/excluded, irrespective of schema boundaries, consistent with HEAD.
- B. An explicitly mentioned **partition** is allowed and takes precedence over inclusion/exclusion.
- C. A partition cannot be mentioned as an explicit *exclusion* (same syntax rule used by for ALL TABLES EXCEPT)
- D. "EXCEPT (TABLE ONLY root)" -- the ONLY is completely ignored making this identical to "EXCEPT (TABLE root)"

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
10	20	<nothing>	<nothing>	X	X	X	X	X	nothing
10	21		TABLE s2.part2	X	X	X	✓	X	Explicit s2.part2
10	22		TABLE s2.other	X	X	X	X	✓	Explicit s2.other
10	23		TABLES IN SCHEMA s2	X	X	X	✓	✓	All tables in specified s2
10	24		TABLES IN SCHEMA s2 EXCEPT (s2. part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
10	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	X	X	✓	✗	All tables in s2. S2.other explicit exclusion

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
10	11		TABLE s1.root	✓	✓	X	✓	X	Explicit S1.root cascade to all partitions across schemas
10	12		TABLE ONLY s1.root	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for partitioned tables so this is same as combo 10x11
10	13		TABLE s1.part1	X	✓	X	X	X	Add explicit s1.part1
10	14		TABLE s1.other	X	X	✓	X	X	Add explicit s1.other
10	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	Add all tables of s1. DIFFERS FROM TABLE INHERITANCE The s1.root does cascade to partitions in all schemas
10	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	✗	✗	✓	X	X	Add all table of S1. But not s1.root or its s1 partitions (the exclusion would cascade also to S2 partitions, but here s2 is not in the publication anyway)
10	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	✗	✗	✓	X	X	DIFFERS FROM TABLE INHERITANCE Add all tables of S1. But not s1.root or its partitions. The ONLY is ignored for partitioned tables. So same as combo 10x16
10	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
10	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	✓	X	Add all tables of S1. But not s1.other. DIFFERS FROM TABLE INHERITANCE This will also cascade to partitions in other schemas
11	20	TABLE s1.root	<nothing>	✓	✓	X	✓	X	S1.root cascades to partitions across schemas
11	21		TABLE s2.part2	✓	✓	X	✓	X	S1.root cascades to partitions across schemas; S2.part2 would have been included by cascade anyhow
11	22		TABLE s2.other	✓	✓	X	✓	✓	S1.root cascades to partitions across schemas. S2.other is explicit
11	23		TABLES IN SCHEMA s2	✓	✓	X	✓	✓	S1.root cascades to partitions across schemas; All tables in schema s2
11	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
11	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	X	✓	✗	S1.root cascades to partitions across schemas; All tables in schema s2 except explicit exclusion
11	11		TABLE s1.root	✓	✓	X	✓	X	S1.part cascades to children across schemas. Naming same table twice is OK afaik
11	12		TABLE ONLY s1.root	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE Although there is an ONLY clash, in the case of partitioned tables the ONLY is ignored so shall we just ignore the clash here too. I think so.
11	13		TABLE s1.part1	✓	✓	X	✓	X	S1.root cascades to partitions across schemas. Naming s1.part1 again is harmless
11	14		TABLE s1.other	✓	✓	✓	✓	X	S1.root cascades to partitions across schemas. Add s1.other
11	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	S1.root cascades to partitions across schemas. Including all s1 schema tables should be harmless.
11	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of s1.root include/exclude
11	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of s1.root include/exclude ONLY doesn't come into it, but ONLY is ignored for partitions anyhow,
11	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
11	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	✓	X	S1.root cascades to partitions across schemas. Add all tables of s1 but not s1.other
12	20	TABLE ONLY s1.root	<nothing>	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x20
12	21		TABLE s2.part2	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x21
12	22		TABLE s2.other	✓	✓	X	✓	✓	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x22
12	23		TABLES IN SCHEMA s2	✓	✓	X	✓	✓	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x23
12	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
12	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	X	✓	✗	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x25
12	11		TABLE s1.root	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE Although there is an ONLY clash, in the case of partitioned tables the ONLY is ignored so shall we just ignore the clash here too. I think so.
12	12		TABLE ONLY s1.root	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x11
12	13		TABLE s1.part1	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x13
12	14		TABLE s1.other	✓	✓	✓	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x14
12	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x15
12	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude
12	17		TABLES IN SCHMEA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of parent include/exclude
12	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
12	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 11x19
13	20	TABLE s1.part1	<nothing>	X	✓	X	X	X	Explicit s1.part1. Nothing else
13	21		TABLE s2.part2	X	✓	X	✓	X	Explicit s1.part1. Add s2.part2
13	22		TABLE s2.other	X	✓	X	X	✓	Explicit s1.part1. Add s2.other
13	23		TABLES IN SCHEMA s2	X	✓	X	✓	✓	Explicit s1.part1. Add all tables of schema s2
13	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
13	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	✓	X	✓	✗	Explicit s1.part1. Add all tables of schema s2, not s2.other

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
13	11		TABLE s1.root	✓	✓	X	✓	X	Explicit s1.part1. Add s1.root cascades to all children across schema; repeating the part should be harmless
13	12		TABLE ONLY s1.root	✓	✓	X	✓	X	DIFFERS FROM TABLE INHERITANCE The ONLY is ignore for partitions tables so this should be same as combo 13x11
13	13		TABLE s1.part1	X	✓	X	X	X	Repeating same table is harmless
13	14		TABLE s1.other	X	✓	✓	X	X	Normal 2 tables
13	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	Explicit s1.part1. Absorbed into schema s1 all tables anyway. DIFFERS FROM TABLE INHERITANCE Here, the s1.root cascades to all partitions across schemas
13	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	✗	✓	✓	✗	X	Explicit s1.part1. Then all s1 tables except s1.root and its partitions. Since explicitly mentioned the s1.part1 take precedence and is included
13	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	✗	✓	✓	✗	X	Explicit s1.part1. All s1 tables but not s1.root or partitions (because ONLY is ignored). Since explicitly mentioned the s1.part1 takes precedence and is included
13	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
13	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	✓	✓	✗	✓	X	Explicit s1.child. Absorbed into schema s1 all tables anyway, remove s1.other. DIFFERS FROM TABLE INHERITANCE Here, the s1.root cascades to all partitions across schemas
14	20	TABLE s1.other	<nothing>	X	X	✓	X	X	Explicit s1.other. Nothing else
14	21		TABLE s2.part2	X	X	✓	✓	X	Explicit s1.other. Add s2.part2
14	22		TABLE s2.other	X	X	✓	X	✓	Explicit s1.other. Add s2.other
14	23		TABLES IN SCHEMA s2	X	X	✓	✓	✓	Explicit s1.other. Add all tables of schema s2
14	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
14	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	X	X	✓	✓	✗	Explicit s1.other. Add all tables of schema s2, not s2.other
14	11		TABLE s1.root	✓	✓	✓	✓	X	Explicit s1.other. s1.root cascades to all partitions across schemas
14	12		TABLE ONLY s1.root	✓	✓	✓	✓	X	Explicit s1. other. Add s1.root DIFFERS FROM TABLE INHERITANCE Here, ONLY is ignore for partitioned tables so the s1.root cascades to all partitions across schemas
14	13		TABLE s1.part1	X	✓	✓	X	X	Explicit s1.other. Add s1.part1
14	14		TABLE s1.other	X	X	✓	X	X	Explicit s1.other. Repeat same table is ok
14	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	Explicit s1.other. All tables in s1 absorbs that. DIFFERS FROM TABLE INHERITANCE Here, the s1.root cascades to all partitions across schemas
14	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	✗	✗	✓	✗	X	Explicit s1.other. All tables of s1 but not s1.root or its partitions
14	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	✗	✗	✓	✗	X	Explicit s1.other. All tables of s1 but not s1.root or its partitions DIFFERS FROM TABLE INHERITANCE Here, the s1.root ignores ONLY so the s1.part1 is excluded too.
14	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
14	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	This is a direct clash of s1.other include/exclude
15	20	TABLES IN SCHEMA s1	<nothing>	✓	✓	✓	✓	X	All tables in schema s1. Nothing from s2. DIFFERS FROM TABLE INHERITANCE s1.root cascade to partitions in other schemas
15	21		TABLE s2.part2	✓	✓	✓	✓	X	All tables in schema s1. Add explicit s2.child2

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
									(but s1.root would have cascaded to s2.part2 anyhow)
15	22		TABLE s2.other	✓	✓	✓	✓	✓	All tables in schema s1. Add explicit S2.other DIFFERS FROM TABLE INHERITANCE s1.root cascades to partitions in other schemas
15	23		TABLES IN SCHEMA s2	✓	✓	✓	✓	✓	All tables in schema s1. Add all tables of s2 (but s1.root would have cascaded to s2.part2 anyhow)
15	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
15	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	✓	✓	✗	All tables in schema s1. Add all tables of s2, not s2.other. (but s1.root would have cascaded to s2.part2 anyhow)
15	11		TABLE s1.root	✓	✓	✓	✓	X	All tables in schema s1. Explicit s1.root just absorbed DIFFERS FROM TABLE INHERITANCE s1.root cascades to partitions in other schemas
15	12		TABLE ONLY s1.root	✓	✓	✓	✓	X	All tables in schema s1. DIFFERS FROM TABLE INHERITANCE ONLY is ignored for partitioned tables. And s1.root cascades to partitions in other schemas
15	13		TABLE s1.part1	✓	✓	✓	✓	X	All tables in schema s1. Explicit s1.part1 just absorbed DIFFERS FROM TABLE INHERITANCE s1.root cascades to partitions in other schemas
15	14		TABLE s1.other	✓	✓	✓	✓	X	All tables in schema s1. Explicit s1.other just absorbed DIFFERS FROM TABLE INHERITANCE s1.root cascades to partitions in other schemas
15	15		TABLES IN SCHEMA s1	✓	✓	✓	✓	X	All tables in schema s1. Repeat same should be harmless DIFFERS FROM TABLE INHERITANCE

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
									s1.root cascades to partitions in other schemas
15	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
15	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
15	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
15	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	20	TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	<nothing>	✗	✗	✓	X	X	All tables of s1, not the s1.root or partitions anywhere. Nothing from s2
16	21		TABLE s2.part2	✗	✗	✓	✓	X	All tables of s1, not the s1.root or partitions anywhere. The explicit s2.child2 take precedence so is included.
16	22		TABLE s2.other	✗	✗	✓	X	✓	All tables of s1, not the s1.root or partitions anywhere. Add explicit s2.other
16	23		TABLES IN SCHEMA s2	✗	✗	✓	✓	✓	All tables of s1, not the s1.root or partitions anywhere. All tables of s2
16	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
16	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✗	✗	✓	✓	✗	All tables of s1, not the s1.root or partitions anywhere. All tables of s2, but not s2.other
16	11		TABLE s1.root	ERR	ERR	ERR	ERR	ERR	Direct clash of exclude/include s1.root
16	12		TABLE ONLY s1.root	ERR	ERR	ERR	ERR	ERR	Direct clash of exclude/include s1.root
16	13		TABLE s1.part1	✗	✓	✓	X	X	All tables of s1, not the s1.root or any partitions. But s1.child1 is explicitly added back in
16	14		TABLE s1.other	✗	✗	✓	X	X	All tables of s1, not the s1.root or any partitions. Also s1.other is already in s1.
16	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
16	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause (even when clause is the same)
16	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause (even when clause is equivalent)
16	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
16	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of schema s1 EXCEPT clause
17	20	TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	<nothing>	✗	✗	✓	X	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x20
17	21		TABLE s2.part2	✗	✗	✓	✓	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x21
17	22		TABLE s2.other	✗	✗	✓	X	✓	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x22
17	23		TABLES IN SCHEMA s2	✗	✗	✓	✓	✓	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x23
17	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
17	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✗	✗	✓	✓	✗	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x25
17	11		TABLE s1.root	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude s1.root
17	12		TABLE ONLY s1.root	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude s1.root
17	13		TABLE s1.part1	✗	✓	✓	X	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x13
17	14		TABLE s1.other	✗	✗	✓	X	X	DIFFERS FROM TABLE INHERITANCE ONLY is ignored for s1.root so this is same as combo 16x14
17	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses
17	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when clauses are equivalent)
17	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when clauses are same)
17	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
17	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses
18	20	TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	<nothing>	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	21		TABLE s2.part2	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	22		TABLE s2.other	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	23		TABLES IN SCHEMA s2	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	11		TABLE s1.root	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	12		TABLE ONLY s1.root	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	13		TABLE s1.part1	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	14		TABLE s1.other	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
18	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed
19	20	TABLES IN SCHEMA s1 EXCEPT	<nothing>	✓	✓	✗	✓	X	All tables of s1 but not s1.other Nothing from s2 DIFFERS FROM TABLE INHERITANCE S1.root cascades to partitions in s2.

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
19	21	(TABLE s1.other)	TABLE s2.part2	✓	✓	✗	✓	X	All tables of s1 but not s1.other Add explicit s2.part2 (but it would have cascade included this anyhow)
19	22		TABLE s2.other	✓	✓	✗	✓	✓	All tables of s1 but not s1.other Add explicit s2.other DIFFERS FROM TABLE INHERITANCE S1.root cascades to partitions in s2.
19	23		TABLES IN SCHEMA s2	✓	✓	✗	✓	✓	All tables of s1 but not s1.other Add tables of s2
19	24		TABLES IN SCHEMA s2 EXCEPT (s2.part2)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT partition table is not allowed
19	25		TABLES IN SCHEMA s2 EXCEPT (s2.other)	✓	✓	✗	✓	✗	All tables of s1 but not s1.other Add tables of s2, not s2.other
19	11		TABLE s1.root	✓	✓	✗	✓	X	All tables of s1 but not s1.other S1.root cascades to partitions in all schemas
19	12		TABLE ONLY s1.root	✓	✓	✗	✓	X	All tables of s1 but not s1.other DIFFERS FROM TABLE INHERITANCE S1.root cascades to partitions in s2. The ONLY is ignored
19	13		TABLE s1.part1	✓	✓	✗	✓	X	All tables of s1 but not s1.other The s1.part1 is already in schema s1 DIFFERS FROM TABLE INHERITANCE S1.root cascades to partitions in s2.
19	14		TABLE s1.other	ERR	ERR	ERR	ERR	ERR	Clash of include/exclude for s1.other
19	15		TABLES IN SCHEMA s1	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	16		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	17		TABLES IN SCHEMA s1 EXCEPT (TABLE ONLY s1.root)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clause
19	18		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.part1)	ERR	ERR	ERR	ERR	ERR	DIFFERS FROM TABLE INHERITANCE EXCEPT s1 partition table is not allowed

combo		Publication clauses		S1. root	S1. part1	S1. other	S2. part2	S2. other	Notes
19	19		TABLES IN SCHEMA s1 EXCEPT (TABLE s1.other)	ERR	ERR	ERR	ERR	ERR	Clash of s1 EXCEPT clauses (even when clauses are same)

[end]