

Supplement 1a: The expressions of protein spots for a) SEC13-like 1, b) calreticulin, c) 14-3-3 protein eta and d) 14-3-3 protein zeta in relation to estrogen receptor, progesterone receptor, C-ERB-B₂ -oncoprotein status and triple negative status by grade for all patients.

Grade	Grade II			Grade III		
Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	4/5	0/5	0/5	3/3	0/3	0/3
receptor positive						
Estrogen	2/2	0/2	0/2	4/6	0/6	0/6
receptor negative						
Progesterone	3/4	0/4	0/4	1/1	0/1	0/1
receptor positive						
Progesterone	3/3	0/3	0/3	6/8	0/8	0/8
receptor negative						
C-ERB-B ₂	1/2	0/2	0/2	3/3	0/3	0/3
positive						
C-ERB-B ₂	5/5	0/5	0/5	4/6	0/6	0/6
negative						
Triple negative	1/1	0/1	0/1	2/4	0/4	0/4
Non Triple	5/6	0/6	0/6	5/5	0/5	0/5
negative						

b) Calreticulin

Grade	Grade II			Grade III		
Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	5/5	0/5	0/5	3/3	0/3	0/3
receptor positive						
Estrogen	2/2	0/2	0/2	5/6	0/6	0/6
receptor negative						
Progesterone	4/4	0/4	0/4	1/1	0/1	0/1
receptor positive						
Progesterone	3/3	0/3	0/3	7/8	0/8	0/8
receptor negative						
C-ERB-B ₂	2/2	0/2	0/2	3/3	0/3	0/3
positive						
C-ERB-B ₂	5/5	0/5	0/5	5/6	0/6	0/6
negative						
Triple negative	1/1	0/1	0/1	3/4	0/4	0/4
Non Triple	6/6	0/6	0/6	5/5	0/5	0/5
negative						

c) 14-3-3 protein zeta

Grade	Grade II			Grade III		
Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	4/5	0/5	0/5	3/3	0/3	0/3
receptor positive						
Estrogen	1/2	0/2	0/2	6/6	0/6	0/6
receptor negative						
Progesterone	3/4	0/4	0/4	1/1	0/1	0/1
receptor positive						
Progesterone	2/3	0/3	0/3	8/8	0/8	0/8
receptor negative						
C-ERB-B ₂	1/2	0/2	0/2	3/3	0/3	0/3
positive						
C-ERB-B ₂	4/5	0/5	0/5	6/6	0/6	0/6
negative						
Triple negative	0/1	0/1	0/1	4/4	0/4	0/4
Non Triple	5/6	0/6	0/6	5/5	0/5	0/5
negative						

d) 14-3-3 protein eta

Grade	Grade II			Grade III		
Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	3/5	1/5	0/5	3/3	0/3	0/3
receptor positive						
Estrogen	1/2	0/2	0/2	6/6	0/6	0/6
receptor negative						
Progesterone	3/4	0/4	0/4	1/1	0/1	0/1
receptor positive						
Progesterone	1/3	1/3	0/3	8/8	0/8	0/8
receptor negative						
C-ERB-B ₂	1/2	0/2	0/2	3/3	0/3	0/3
positive						
C-ERB-B ₂	3/5	1/5	0/5	6/6	0/6	0/6
negative						
Triple negative	0/1	0/1	0/1	4/4	0/4	0/4
Non Triple	4/6	1/6	0/6	5/5	0/5	0/5
negative						

Supplement 1b: The expressions of protein spots for a) SEC13-like 1, b) calreticulin, c) 14-3-3 protein eta and d) 14-3-3 protein zeta in relation to estrogen receptor, progesterone receptor, C-ERB-B₂ -oncoprotein status and triple negative status by stage.

Stage	Stage II			Stage III		
Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	2/2	0/2	0/2	6/7	0/7	0/7
receptor positive						
Estrogen	3/5	0/5	0/5	3/3	0/3	0/3
receptor negative						
Progesterone	0/0	0/0	0/0	6/7	0/7	0/7
receptor positive						
Progesterone	5/7	0/7	0/7	3/3	0/3	0/3
receptor negative						
C-ERB-B ₂	2/2	0/2	0/2	3/4	0/4	0/4
positive						
C-ERB-B ₂	3/5	0/5	0/5	6/6	0/6	0/6
negative						
Triple negative	2/4	0/4	0/4	1/1	0/1	0/1
Non Triple	3/3	0/3	0/3	8/9	0/9	0/9
negative						

b) Calreticulin

Stage	Stage II			Stage III		
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Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	2/2	0/2	0/2	7/7	0/7	0/7
receptor positive						
Estrogen	4/5	0/5	0/5	3/3	0/3	0/3
receptor negative						
Progesterone	0/0	0/0	0/0	7/7	0/7	0/7
receptor positive						
Progesterone	6/7	0/7	0/7	3/3	0/3	0/3
receptor negative						
C-ERB-B ₂	2/2	0/2	0/2	4/4	0/4	0/4
positive						
C-ERB-B ₂	4/5	0/5	0/5	6/6	0/6	0/6
negative						
Triple negative	3/4	0/4	0/4	1/1	0/1	0/1
Non Triple	3/3	0/3	0/3	9/9	0/9	0/9
negative						

c) 14-3-3 protein zeta

Stage	Stage II	Stage III
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Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	2/2	0/2	0/2	6/7	0/7	0/7
receptor positive						
Estrogen	5/5	0/5	0/5	2/3	0/3	0/3
receptor negative						
Progesterone	0/0	0/0	0/0	6/7	0/7	0/7
receptor positive						
Progesterone	7/7	0/7	0/7	2/3	0/3	0/3
receptor negative						
C-ERB-B ₂	2/2	0/2	0/2	3/4	0/4	0/4
positive						
C-ERB-B ₂	5/5	0/5	0/5	5/6	0/6	0/6
negative						
Triple negative	4/4	0/4	0/4	0/1	0/1	0/1
Non Triple	3/3	0/3	0/3	8/9	0/9	0/9
negative						

d) 14-3-3 protein eta

Stage	Stage II	Stage III
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Hormone	Up	Same	Down	Up	Same	Down
receptor						
Estrogen	2/2	0/2	0/2	6/7	0/7	0/7
receptor positive						
Estrogen	4/5	1/5	0/5	2/3	0/3	0/3
receptor negative						
Progesterone	0/0	0/0	0/0	6/7	0/7	0/7
receptor positive						
Progesterone	6/7	1/7	0/7	2/3	0/3	0/3
receptor negative						
C-ERB-B ₂	2/2	0/2	0/2	3/4	0/4	0/4
positive						
C-ERB-B ₂	4/5	1/5	0/5	5/6	0/6	0/6
negative						
Triple negative	4/4	0/4	0/4	0/1	0/1	0/1
Non Triple	2/3	1/3	0/3	8/9	0/9	0/9
negative						