Association between NDRG1 protein expression and aggressive features of

breast cancer: A systematic review and meta-analysis

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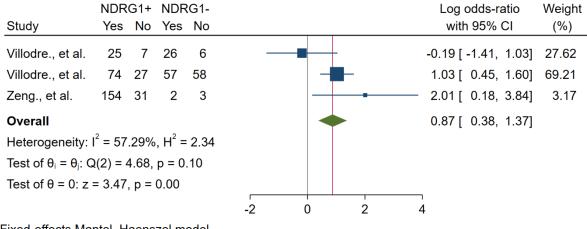
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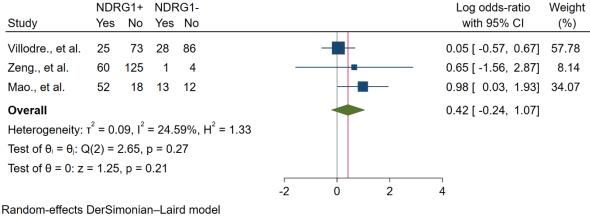
Supplementary Figues



Fixed-effects Mantel–Haenszel model Sorted by: _meta_es

Supplementary Figure 1. The association between NDRG1 protein expression and

aggressive features of breast cancer according to the fixed-effects model.



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Supplementary Figure 2. The association between NDRG1 protein expression and tumor

NDRG1+ NDRG1-Log odds-ratio Weight with 95% CI Study Yes No Yes No (%) -0.61 [-1.94, 0.72] 19.13 Mao., et al. 25 23 8 4 Villodre., et al. 27 3 25 4 0.36 [-1.23, 1.96] 14.19 0.68 [-1.14, 2.49] 11.35 Zeng., et al. 105 80 2 3 Villodre., et al. 57 41 43 71 0.83 [0.28, 1.38] 55.33 Overall 0.47 [-0.18, 1.12] Heterogeneity: $\tau^2 = 0.12$, $I^2 = 24.16\%$, $H^2 = 1.32$ Test of $\theta_i = \theta_i$: Q(3) = 3.96, p = 0.27 Test of θ = 0: z = 1.42, p = 0.16 -2 0 2 Random-effects DerSimonian-Laird model Sorted by: _meta_es

stage was identified according to the random effects model.

Supplementary Figure 3. The association between NDRG1 protein expression and axillary

lymph node metastasis according to the random effects model.

	NDF	RG1+	NDF	RG1-						Log odds-ratio	Weight
Study	Yes	No	Yes	No						with 95% CI	(%)
Villodre., et al.	32	101	77	38						-1.86 [-2.41, -1.30]	88.13
Villodre., et al.	12	19	11	21						0.19 [-0.84, 1.21]	9.32
Zeng., et al.	99	86	2	3						- 0.55 [-1.27, 2.36]	2.54
Overall										-1.22 [-1.67, -0.77]	
Heterogeneity: I	² = 87	.40%	, H ² =	7.94							
Test of $\theta_i = \theta_j$: G	2(2) =	15.88	, p = (0.00							
Test of $\theta = 0$: z =	= -5.3	4, p =	0.00								
					-2	-1	0	1	2	-	
Fixed-effects Mar	ntel-F	laens	zel mo	odel							

Fixed-effects Mantel–Haenszel model Sorted by: _meta_es

Supplementary Figure 4. The association between NDRG1 protein expression and ER

status according to the random effects model.

Study	NDF Yes	RG1+ No	NDF Yes	RG1- No					Log odds-ratio with 95% Cl	Weight (%)
Villodre., et al.	19	101	67	48	-				-2.00 [-2.62, -1.39]	87.71
Zeng., et al.	108	77	4	1					-1.05 [-3.26, 1.16]	4.94
Villodre., et al.	12	19	8	24				-	- 0.64 [-0.44, 1.72]	7.35
Overall						•			-1.29 [-1.78, -0.81]	
Heterogeneity:	l ² = 88	8.59%	, H ² =	8.76						
Test of $\theta_i = \theta_j$: C	2(2) =	17.53	, p = (0.00						
Test of $\theta = 0$: z	= - 5.2	1, p =	0.00							
					-4 -	-2	()	2	
Fixed-effects Ma	ntel–⊦	laens	zel mo	odel						

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Supplementary Figure 5. The association between NDRG1 protein expression and PR status

according to the fixed-effects model.

	NDR	G1+	NDF	RG1-					Log odds-ratio Weight
Study	Yes	No	Yes	No					with 95% Cl (%)
Zeng., et al.	122	63	5	0			-		-1.74 [-4.65, 1.17] 7.11
Villodre., et al.	9	22	20	12				-	-1.40 [-2.46, -0.35] 36.44
Villodre., et al.	16	85	25	90			-		-0.39 [-1.08, 0.30] 56.45
Overall									-0.86 [-1.66, -0.05]
Heterogeneity:	$T^2 = 0.$.17, I ⁱ	² = 32	.42%	, H ² = 1.48				
Test of $\theta_i = \theta_j$: C	2(2) =	2.96,	p = (0.23					
Test of θ = 0: z	= -2.0	8, p =	= 0.04	1					
						-4	-2	0	2
Random-effects	DerSi	moni	an–La	aird m	odel				

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Supplementary Figure 6. The association between NDRG1 protein expression and Her2

status according to the random effects model.