

Table S1. Studies identified for the traditional biomarkers.

<p>Troponins</p>	<p>References</p> <p>Shafi <i>et al.</i>, 2017 [84] Zardavas <i>et al.</i>, 2017 [10] Blaes <i>et al.</i>, 2015 [85] Díaz-Antón <i>et al.</i>, 2022 [86] Howden <i>et al.</i>, 2021 [87] Pillai <i>et al.</i>, 2022 [89] Bisoc <i>et al.</i>, 2020 [90] Goel <i>et al.</i>, 2019 [91] Gulati <i>et al.</i>, 2017 [92] Gullo <i>et al.</i>, 2019 [93] Kirkham <i>et al.</i>, 2021 [94] Lakhani <i>et al.</i>, 2021 [95] Malik <i>et al.</i>, 2016 [96] Ponde <i>et al.</i>, 2018 [97] Putt <i>et al.</i>, 2015 [98] Rüger <i>et al.</i>, 2020 [99] De Sanctis <i>et al.</i>, 2021 [100] De Vries Schultink <i>et al.</i>, 2018 [101] Silva <i>et al.</i>, 2017 [102] Simões <i>et al.</i>, 2021 [103] Ürün <i>et al.</i>, 2015 [104] Ky <i>et al.</i>, 2014 [105] Anber <i>et al.</i>, 2019 [106] Dhesy-Thind <i>et al.</i>, 2019 [107] Dovganych <i>et al.</i>, 2022 [108] Finke <i>et al.</i>, 2021 [109] Florido <i>et al.</i>, 2019 [110] Henriksen <i>et al.</i>, 2022 [111] Hidayat <i>et al.</i>, 2020 [112] Hinrichs <i>et al.</i>, 2020 [113] Isemede <i>et al.</i>, 2022 [114] Jones <i>et al.</i>, 2017 [115] Mokuyasu <i>et al.</i>, 2015 [116] Tzolos <i>et al.</i>, 2020 [83] Rosenkaimer <i>et al.</i>, 2022 [117] Posch <i>et al.</i>, 2022 [118] Ben Kridis <i>et al.</i>, 2020 [119]</p>	<p>NPs</p>	<p>References</p> <p>Andersson <i>et al.</i>, 2021 [122] Blancas <i>et al.</i>, 2020 [123] Bouwer <i>et al.</i>, 2019 [124] Alves <i>et al.</i>, 2022 [125] Matos <i>et al.</i>, 2016 [126] Lu <i>et al.</i>, 2019 [127] Bisoc <i>et al.</i>, 2020 [90] Díaz-Antón <i>et al.</i>, 2022 [86] Ky <i>et al.</i>, 2014 [105] De Iuliis <i>et al.</i>, 2015 [129] Demissei <i>et al.</i>, 2020 [130] Demissei <i>et al.</i>, 2019 [131] Dong <i>et al.</i>, 2022 [132] El-Sherbeny <i>et al.</i>, 2019 [133] Goel <i>et al.</i>, 2019 [91] Grela-Wojewoda <i>et al.</i>, 2022 [134] Gulati <i>et al.</i>, 2017 [92] Howden <i>et al.</i>, 2021 [87] Liang <i>et al.</i>, 2016 [135] Malik <i>et al.</i>, 2016 [96] Patel <i>et al.</i>, 2021 [136] Ponde <i>et al.</i>, 2018 [97] Putt <i>et al.</i>, 2015 [98] Rüger <i>et al.</i>, 2020 [99] De Sanctis <i>et al.</i>, 2021 [100] De Vries Schultink <i>et al.</i>, 2018 [101] Simões <i>et al.</i>, 2021 [103] Skovgaard <i>et al.</i>, 2014 [137] Anber <i>et al.</i>, 2019 [106] Caram <i>et al.</i>, 2015 [138] Dores <i>et al.</i>, 2013 [139] Finke <i>et al.</i>, 2021 [109] Hinrichs <i>et al.</i>, 2020 [113] Isemede <i>et al.</i>, 2022 [114] Kittiwarawut <i>et al.</i>, 2013 [140] Kouloubinis <i>et al.</i>, 2015 [128] Rosenkaimer <i>et al.</i>, 2022 [117] Ben Kridis <i>et al.</i>, 2020 [119] Özbay <i>et al.</i>, 2022 [141] Dhir <i>et al.</i>, 2019 [142] Esmaeilzadeh <i>et al.</i>, 2022 [143] Feng <i>et al.</i>, 2021 [144] Posch <i>et al.</i>, 2022 [118] Gherghe <i>et al.</i>, 2022 [145]</p>
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LVEF	<p>References</p> <p>Stoodley <i>et al.</i>, 2013 [146] Stoodley <i>et al.</i>, 2013 [147] Suerken <i>et al.</i>, 2015 [148] Bulten <i>et al.</i>, 2015 [149] Bulten <i>et al.</i>, 2014 [159] Tahir <i>et al.</i>, 2022 [150] Wang <i>et al.</i>, 2020 [151] Tromp <i>et al.</i>, 2020 [153] El-Sherbeny <i>et al.</i>, 2019 [133] Goel <i>et al.</i>, 2019 [91] Huang <i>et al.</i>, 2018 [171] Huang <i>et al.</i>, 2022 [160] Huang <i>et al.</i>, 2017 [161] Rüger <i>et al.</i>, 2020 [99] Skovgaard <i>et al.</i>, 2014 [137] Todorova <i>et al.</i>, 2020 [163] Lakhani <i>et al.</i>, 2021 [95] Coutinho Cruz <i>et al.</i>, 2020 [164] Dang <i>et al.</i>, 2016 [165] Demissei <i>et al.</i>, 2019 [131] Demissei <i>et al.</i>, 2020 [130] Dong <i>et al.</i>, 2022 [132] Dores <i>et al.</i>, 2013 [139] Dovganych <i>et al.</i>, 2022 [108] Ferreira <i>et al.</i>, 2022 [168] Finke <i>et al.</i>, 2021 [109] Gavila <i>et al.</i>, 2017 [169] Hinrichs <i>et al.</i>, 2020 [113] Honda <i>et al.</i>, 2017 [170] Jordan <i>et al.</i>, 2014 [172] Kibudde <i>et al.</i>, 2019 [173] Kim <i>et al.</i>, 2019 [174] Liu <i>et al.</i>, 2023 [175] Lorenzini <i>et al.</i>, 2017 [176] Mescher <i>et al.</i>, 2017 [177] Shafi <i>et al.</i>, 2017 [84] Sun <i>et al.</i>, 2016 [178] Yamashita <i>et al.</i>, 2021 [179] Abdallah <i>et al.</i>, 2020 [180] Altaha <i>et al.</i>, 2020 [181] Arciniegas Calle <i>et al.</i>, 2018 [182] Ben Kridis <i>et al.</i>, 2020 [119] Calvillo-Argüelles <i>et al.</i>, 2022 [183] Chang <i>et al.</i>, 2020 [185] Chang <i>et al.</i>, 2016 [184] Chen <i>et al.</i>, 2019 [220] Choe <i>et al.</i>, 2018 [186] De Barros <i>et al.</i>, 2019 [187] De Souza <i>et al.</i>, 2021 [188] Demissei <i>et al.</i>, 2021 [166]</p>
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LVEF	Dhir <i>et al.</i> , 2019 [142]
	Ferreira De Souza <i>et al.</i> , 2018 [167]
	Florescu <i>et al.</i> , 2014 [158]
	Gong <i>et al.</i> , 2019 [189]
	Gripp <i>et al.</i> , 2018 [190]
	Guan <i>et al.</i> , 2021 [191]
	Guerra <i>et al.</i> , 2016 [192]
	Hochstadt <i>et al.</i> , 2020 [193]
	Hochstadt <i>et al.</i> , 2021 [194]
	Jones <i>et al.</i> , 2022 [195]
	Kirkham <i>et al.</i> , 2021 [94]
	Monti <i>et al.</i> , 2020 [196]
	Nakano <i>et al.</i> , 2016 [197]
	Narayan <i>et al.</i> , 2017 [198]
	Negishi <i>et al.</i> , 2013 [200]
	Negishi <i>et al.</i> , 2018 [201]
	Ong <i>et al.</i> , 2018 [202]
	Özbay <i>et al.</i> , 2022 [141]
	Park <i>et al.</i> , 2020 [203]
	Perone <i>et al.</i> , 2022 [204]
	Piotrowski <i>et al.</i> , 2013 [205]
	Posch <i>et al.</i> , 2022 [118]
	Reuvekamp <i>et al.</i> , 2016 [206]
	Rushton <i>et al.</i> , 2017 [207]
	Sato <i>et al.</i> , 2019 [208]
	Seferina <i>et al.</i> , 2016 [209]
	Tan <i>et al.</i> , 2022 [210]
	Terui <i>et al.</i> , 2023 [211]
	Tu <i>et al.</i> , 2022 [162]
	Van der Linde <i>et al.</i> , 2022 [212]
	Xu <i>et al.</i> , 2021 [213]
	Yaylali <i>et al.</i> , 2016 [214]
	Yersal <i>et al.</i> , 2018 [215]
	Zhang <i>et al.</i> , 2021 [216]
	Zhou <i>et al.</i> , 2020 [219]
	Feng <i>et al.</i> , 2021 [218]
	Gherghe <i>et al.</i> , 2022 [145]

Table S2. Studies identified for the emerging biomarkers.

SNPs	References Tan <i>et al.</i> , 2020 [221] Stanton <i>et al.</i> , 2015 [221] Serie <i>et al.</i> , 2017 [226] Roca <i>et al.</i> , 2013 [227] Gómez Peña <i>et al.</i> , 2015 [228] Lemieuz <i>et al.</i> , 2013 [229] Schneider <i>et al.</i> , 2017 [231] Gvaldin <i>et al.</i> , 2021 [233] Li <i>et al.</i> , 2019 [234] Li <i>et al.</i> , 2022 [235] Sawyer <i>et al.</i> , 2016 [236] Nakano <i>et al.</i> , 2019 [223] Nyangwara <i>et al.</i> , 2023 [315] Reinbolt <i>et al.</i> , 2015 [224] Soria-Chacartegui <i>et al.</i> , 2021 [317] Velasco-Ruiz <i>et al.</i> , 2021 [316] Vivenza <i>et al.</i> , 2013 [225] Vulsteke <i>et al.</i> , 2015 [318] Shilov <i>et al.</i> , 2019 [314] Udagawa <i>et al.</i> , 2022 [237]	microRNAs	References Sánchez-Sánchez <i>et al.</i> , 2022 [251] Lakhani <i>et al.</i> , 2021 [95] Zare <i>et al.</i> , 2022 [252] Feng <i>et al.</i> , 2021 [144] Zhang <i>et al.</i> , 2020 [253] Gioffré <i>et al.</i> , 2020 [254] Gupta <i>et al.</i> , 2013 [255] Holmgren <i>et al.</i> , 2016 [256] Liu <i>et al.</i> , 2022 [257] Qin <i>et al.</i> , 2018 [258] Rigaud <i>et al.</i> , 2017 [259] Todorova <i>et al.</i> , 2017 [260] Yadi <i>et al.</i> , 2020 [261] Zhu <i>et al.</i> , 2018 [262] Pillai <i>et al.</i> , 2022 [89] Frères <i>et al.</i> , 2018 [304]
MPO	References Lakhani <i>et al.</i> , 2021 [95] Wanderley <i>et al.</i> , 2022 [271] Putt <i>et al.</i> , 2015 [98] Ky <i>et al.</i> , 2014 [105] Todorova <i>et al.</i> , 2020 [163] Gullo <i>et al.</i> , 2019 [93] Balmagambetova <i>et al.</i> , 2022 [303] Demissei <i>et al.</i> , 2020 [130]	Galectin-3	References Gulati <i>et al.</i> , 2017 [92] Bulten <i>et al.</i> , 2015 [149] Van Boxtel <i>et al.</i> , 2015 [279] Ky <i>et al.</i> , 2014 [105] Wanderley <i>et al.</i> , 2022 [271] Patel <i>et al.</i> , 2021 [136] Putt <i>et al.</i> , 2015 [98] Balmagambetova <i>et al.</i> , 2022 [303] Magalhaes <i>et al.</i> , 2015 [278]
		MMPs	References Grakova <i>et al.</i> , 2022 [284] Kirkham <i>et al.</i> , 2022 [285]